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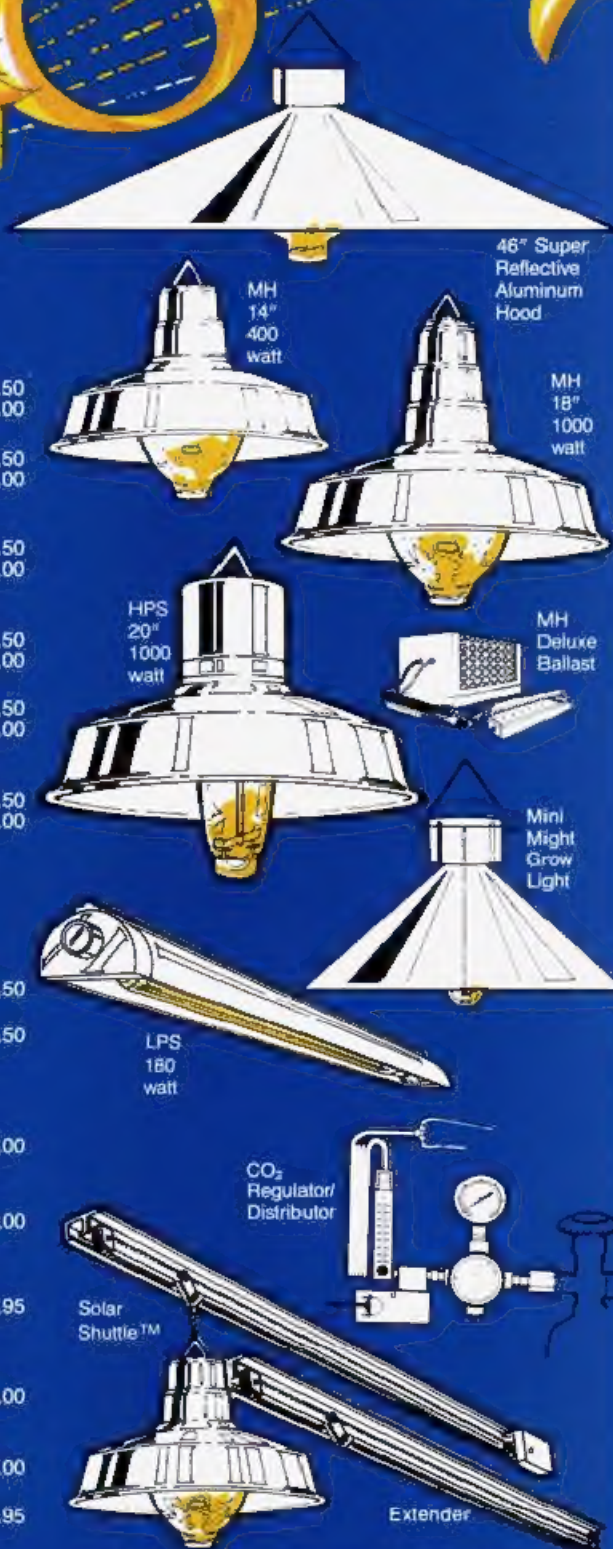
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PUBLISHER
ROBERT ARONSON
EDITOR-IN-CHIEF
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D.C.

CONTRIBUTING EDITORS
PETER GORMAN, JOHN LELAND,
CARLO MCCORMICK, JIM POLING,
MICHAEL WELDON, BRADFORD X

DESIGN ASSOCIATES
ALICE LEWCZYK, BRIAN SPAETH
TYPESETTING
BARBARA BARG
STRONG SILENT TYPE

CONTRIBUTING ARTISTS AND PHOTOGRAPHERS
SIM CASS, MONICA DEE, MATTHEW FINCH,
FLICK FORD, ANDRE GROSSMAN,
GREGORY HERBERT, JOHN HOLMSTROM,
DICK HOOLE, KATE KELLER, MILTON KNIGHT,
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CIRCULATION MANAGER
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SUBSCRIPTION MANAGER
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SHEILA AVON
PRODUCTS MANAGER
SCOTT DANAHY

STAFF
TIFFANY ANN, JONATHAN DAVID,
ELLEN JASPER, LISA KAY

ADVERTISING

EAST COAST
SANDY ROSEN, MANAGER
SHERRY LUTZ

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211 East 43rd Street
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STEVE BECKER, MANAGER
WEST COAST ADVERTISING OFFICE
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Long Beach, CA 90801 (213) 493-3714

FOUNDING EDITOR
THOMAS KING FORCADE, 1945-1978

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EDITOR'S NOTE

We don't usually turn to Ann Lander's column for information about drug testing, but to judge by a recent collection of readers' letters, "straight" America is worried sick about testing and its record of unreliability. Ann herself, with her finger on the pulse of public opinion, reported that "I have received a great many letters from readers who are less than enthusiastic about it [drug testing]." One letter contained information that won't shock a **HIGH TIMES** reader, but it must be frightening news to the general population:

"I work in a lab and can tell you that the labeling is sloppy.... Also, many of the technicians who work with me are careless or inexperienced. Some don't know how to read or record results."

The column went on to publish other letters pointing out the dangers of unrestricted, inaccurate testing, such as "the loss of jobs, reputations, and basic human rights." We at **HIGH TIMES** have shouted ourselves hoarse in print for years, saying exactly the same thing. It's nice to have other voices from the American mainstream join in the rising protest against this misguided effort by a few venal piss-test profiteers and demagogic politicians.

From on high,

John Howell

John Howell,
Editor-in-chief

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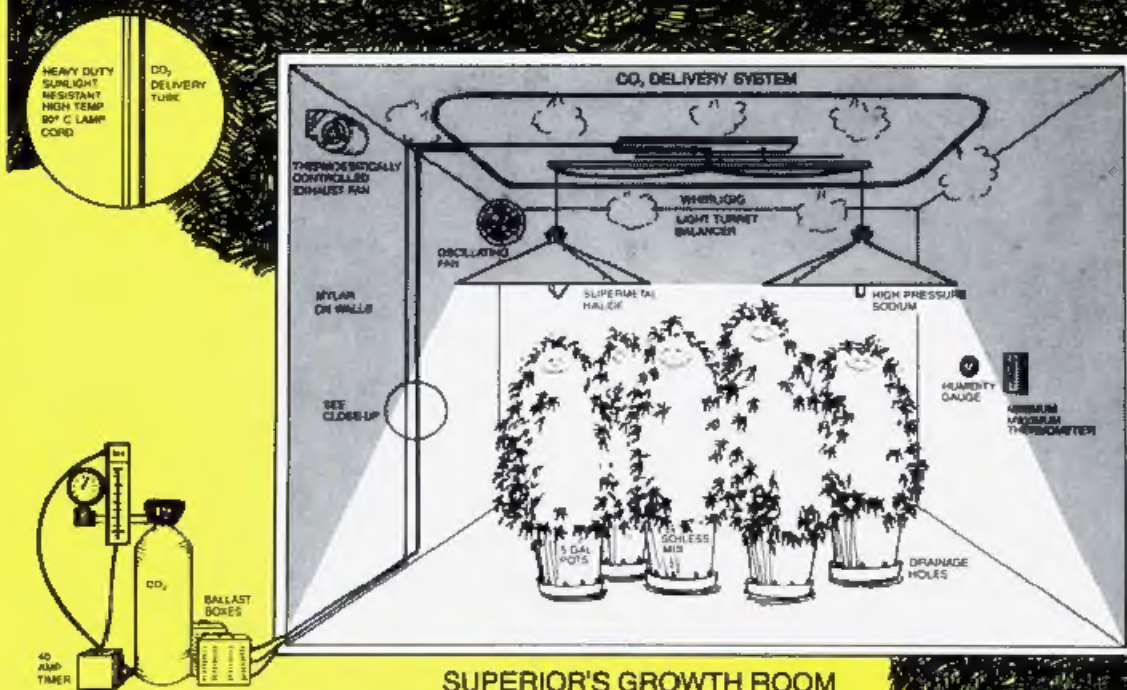
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Energy Savers has spent years designing the ultimate hydroponic system (patent pending) — one with the features and qualities of a commercial unit at a size and price to suit you.

Our professional quality growing system is bigger than others currently available, and it's expandable. Each tray is 6' long and 1' wide, which can hold 1 to 15 plants per tray. The hydroponic system allows you to germinate and propagate your plants right in the trays, it automatically waters and feeds plants on whatever schedule you determine, and it even refills itself automatically with water lost through evaporation.

1 unit (Pump tray) .	\$230.00
2 units (Pump & satellite tray)	\$365.00
4 units (Pump & 3 satellite trays)	\$620.00
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SPECIAL OFFER

- ☐ 2 units, 1 deluxe light MS1000 bulb w/46" reflector plus 1 solar shuttle . . . Regularly \$663.50
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- ☐ 4 units, 2 deluxe lights MS1000 bulbs w/46" reflectors plus 2 solar shuttles . . . Regularly \$1217.00
On Sale \$1099.00
- ☐ 6 units, 3 deluxe lights MS1000 bulbs w/46" reflectors plus 3 solar shuttles . . . Regularly \$1794.50
On Sale \$1639.00

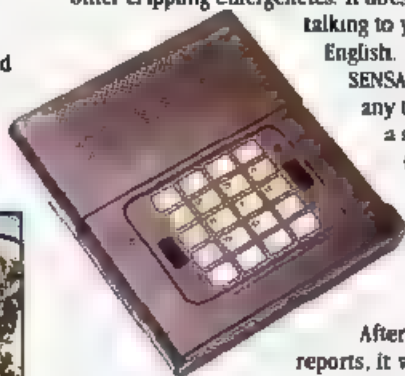
2 Remove the pollutants from the air.

Our Negative Ion Generator by Pulsair uses a back-and-forth emission/collection cycle that makes it extremely effective in removing smoke, dust, pollen and other pollutants from the air. The ions actually kill airborne bacteria and will remove dirt particles as small as 1/1000 micron. Will work in rooms up to 250 sq. ft. . . . \$99.00



3 Monitor your environment.

The SENSAPHONE is an automatic 24 hour alarm system that closely monitors all critical growroom activities. . . and calls up to four user-selected telephone numbers to alert you of any temperature changes (you set the high and low limits), power failures, unusual sounds, or other crippling emergencies. It does this all by



talking to you in plain English. You can call SENSAPHONE at any time and get a status report (temperature, power, etc.) via its voice synthesizer.

After it gives its reports, it will open up its microphone to let you listen in to the growroom for 15 seconds for any unusual sounds. With the paging accessory, SENSAPHONE will keep you through a local automated paging service to alert you of any growroom problems.

SENSAPHONE is also a great security system when coupled with the Infrared sensor which can detect any movement in an area up to 35' in distance. Our vibration detector and/or conventional magnetic security switches can also be attached for additional security. In the event of an unauthorized intrusion, you will be called and informed that an alert condition exists.

Easy to install, just plug it into your phone line.

SENSAPHONE MONITOR — base unit monitors temperature, power, & noise level . . . \$249.00

You may add any or all of these accessory SENSAPHONE attachments. Just connect to your SENSAPHONE alert stations to warn you of these growroom problems.

Water Detector — detects presence of water on the floor or other area . . . \$29.00

Humidity Sensor — you set high and low humidity limits — SENSAPHONE calls you if they are exceeded . . . 79.00

Lamp Out Sensor — detects a burned out bulb . . . 49.00

Tempalarm — add high-low temperature sensors for additional rooms . . . 49.00

Vibration Detector — detects any vibration due to unauthorized entry or other source . . . 49.00

Water Level Detector — alerts you when your hydroponic reservoir is low . . . 29.00

Magnetic Contact Switch — use on doors and windows to detect unauthorized entry . . . 6.00

Smoke Alarm — triggers SENSAPHONE if there is smoke or fire . . . 19.00

Infrared Sensor — detects human movement up to 35 feet away . . . 99.00

Paging Adaptor — allows your SENSAPHONE to access an automated paging system whereby you are beeped if an alert condition exists . . . 99.00

4 Protect your lighting system and monitor for smoke and fire.

The Surge Survival System and our new Smoke/Fire Detector Module can protect your lighting system from electrical disturbances and your grow room from smoke and fire damage. Avoid expensive repairs caused by electrical surges, brown-outs, electrical storms and lightning strikes.

By electronically monitoring for high and low voltage problems, the Command Module will shut down the lighting system when voltage reaches dangerous levels. Just long enough for bulbs to cool and voltage to stabilize. Then the line voltage is analyzed and the lighting system turned on if voltage is within safe limits. With the optional Smoke/Fire Detection Module, the complete lighting system will be shut down in the presence of smoke or fire.

The Command Module controls an unlimited number of



Remote Modules. Each Remote Module can switch one

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Command Module with 1 Remote Module \$99.00

Additional Remote Modules . . . \$29.00

Smoke/Fire Detector Module . . . \$69.00

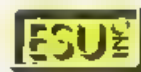
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4 x 100 foot roll . . . \$49.00



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See additional product listing inside front cover.

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- MS 1000 watt **FULL SPECTRUM SUPER DELUXE SYSTEM**—With your choice of reflector (45" Super recommended). 125,000 lumen—12,000 hr. Clear bulb (option: coated bulb, no extra charge)
- MS 400 watt **FULL SPECTRUM SUPER DELUXE SYSTEM**—21" Super reflector hood. 40,000 lumen—20,000 hr. bulb.

List

\$238.00

\$162.00

HIGH PRESSURE SODIUM—(for budding and flowering)

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- HPS 400 watt **DELUXE SYSTEM**—21" Super reflector hood. 50,000 lumen—24,000 hr. High Pressure Sodium Bulb.

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increases growth and flowering. Best working system
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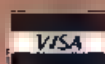
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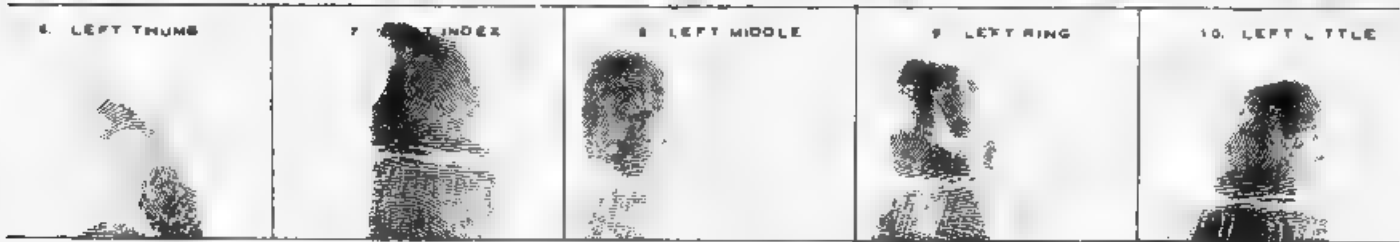


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Prices do not include shipping.
Prices subject to change.

W A N T E D



An arrest for marijuana can be a devastating experience, not just for the victim, but for the family and friends as well.

Even those who don't go to jail can face an arrest record, probation, urine testing, property confiscation and the humiliation and shame associated with a trip through our criminal justice system.

Unfortunately, people **ARE** going to jail for marijuana. And the numbers are increasing. A community social worker in Texas was just sentenced to 60 days in jail and fined \$1500 for possession of 2/10th's of a gram of marijuana. It was her first offense.

These people need our support.

NORML provides legal referrals and assistance, credible information about marijuana and the reassurance of moral support. We need your help!

If you or someone in your family has been arrested for marijuana, please write us about your experience.

If you or someone in your family has submitted to a random urine test and lost their job due to an inaccurate result, please write us about your experience.

If you have not yet been arrested or urine tested for marijuana, please help us help the victims while we work together to prevent it from happening to you!

Please send a generous donation or join NORML today!



MAIL TO:
**NATIONAL ORGANIZATION FOR
THE REFORM OF MARIJUANA
LAWS** 2001 'S' Street, N.W. Suite 640,
Washington, D.C. 20009
(202) 483-5500

NORML, I want to help prevent it from happening to anybody!

☐

Here's my **\$25** regular membership dues

☐

Here's my **\$16** low-income, military or student membership dues

☐

Here's my **\$36** family membership dues

☐

Sorry, I can't join right now, but here's a contribution of \$_____

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SUPER DEAD

Loved your Dead issue. It was long overdue. Just one question about the cover: what is the skull made of? Surely it couldn't be hash?

—The Cat Woman of Oak Lawn

Thanx for a super February. The Grateful Dead issue was clean & concise. Fine job. Classic issue. I might start reading your stuff more often. By the way, one of the terms of my probation is to pee for the Dept. of Probation. Well, I ain't gonna do it. My day in court comes today at 1.30. Wish me luck.

—Still Another Deadhead
 Frederick, Maryland

My special qualifications for commenting on your Grateful Dead article are: 1) I've never been moved to write a letter to a magazine before; 2) I've been a fan and subscriber of **HIGH TIMES** for many years; 3) I've been a fan and friend of the Grateful Dead for many years.

That was absolutely the worst, most gossipy, People Magazine-like article I've ever seen on the Grateful Dead. It was completely void of any substance and failed to convey any of what the band is about.

—Greg Anton
 North Bay, California



CAPT. WHIZZO

Just a note to let you know how much I enjoyed reading the article on the Grateful Dead by Hank Harrison. I'd love to see more articles like it in the magazine.

—Julie McKenzie
Palo Alto, California

Thanks for your special article on the Grateful Dead. We appreciate your mentioning our magazine, *Unbroken Chain*. However, many Deadheads may be wondering how they can get a copy. Please let them know all they have to do is send a self-addressed, stamped envelope to *Unbroken Chain*, P.O. Box 8726, Richmond, VA 23226.

—Laura Paul Smith, Editor

Let's be blunt. You guys fucked up bad on the Grateful Dead article. Had you taken time to check out the writer, you would have learned that this bitter, bitter man is widely discredited by Deadheads around the world. He has virtually no contact with the band, and yet he continues to sponge off the band with his lame books. As offensive as everything was in the article, one thing bugged me the most: there was not one mention of the Dead's music.

—Bob Campbell
Berkeley, California

Hank Harrison responds: "I enjoy the income from several books, only two of which pertain to the Grateful Dead, and I write articles on everything from family counseling to the Holy Grail. I am not a musicologist. I feel I should leave the music raps to those who make a practice of music history. May I suggest Bruce Harrah-Conforth of the Folklore Department at the University of Indiana? I don't know how Mr. Campbell knows so much about my business, or the Dead's for that matter, but I take comfort in knowing that he is expressing the feelings of a diminishing core of demented Grateful Dead camp followers, while the majority of peace-loving fans (myself included) admire the band and their music from a distance."

FOUR BUCKS, CHEAP!

I've had enough of the stupid assholes who can't handle the price of *HIGH TIMES*. Shit, it's only four fucking dollars! Some people seem to care more about price than content. *HIGH TIMES* is the only magazine with a mature and informative view on drugs that maintains a sense of humor. So if you can't stand the heat, get out of the grow rooms! Please print my letter. It makes me sick to see people put down *HIGH TIMES*.

—Blister
Columbia, South Carolina

A BLEAT FOR HELP

"I would get him transferred or sent to Bethesda for disability review."
—Former National Security Council Director Robert "Bud" McFarlane in a memo to Admiral John Poindexter on the subject of Lt. Col. Oliver North.

Several months later, however, it was Robert "Bud" McFarlane who woke up in Bethesda Hospital, claiming to have swallowed 30 Valium tablets in a "suicide attempt" on the morning he was due to testify before a special Presidential panel investigating the Iran-Contra affair! Strange, huh?

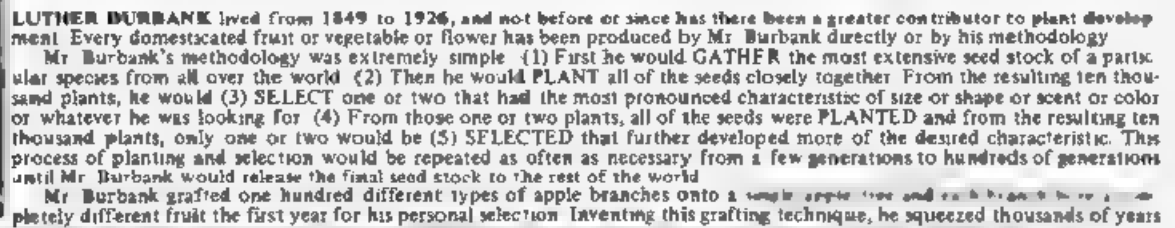
McFarlane's wife told hospital attendants that a note was found, but that it was too "garbled" to yield any information. And the Tower Commission didn't even ask Robert "Bud" McFarlane about its contents! Strange, huh?

continued on page 23



PVZ

PIONEERS IN THE MODERN ERA OF RESEARCH ON THE MINERAL NUTRITION OF PLANTS...ONE OF THEM WILL CHANGE YOUR LIFE



B. Maximum SIZE and WEIGHT before death of (a) root, (b) shoot, (c) fruit known as the "root to shoot to fruit ratio"—was the absolute goal. **WE NOW KNOW** the "root to shoot to fruit ratio" is a fallacy. There is no such thing. While keeping

[illegible]

Mr. DeMarco's Masters thesis was on the cannabinoid profile of marijuana. After working under both federal and state laboratories, he was able to identify the chemical composition of the plant and the chemistry to study the internal workings of the plant (not just the SIZE and WEIGHT, but utmostly important to the plant's life cycle).

fruits and vegetables, 8 varieties of tobacco and will force flower roses 365 days per year

Jeffrey Julian DeMarco

1-312-544- B-U-D-S

† *Not a member of the Society.* ‡ *Member of the Society.*

OVER 15,000 PHOTOTRONS SOLD WORLDWIDE - INTRODUCING THE

PHOTOTRON 2

HAWAII VS THE PHOTOTRON

Hello, my name is Jeffery Demarco, President and Founder of PYRAPONIC INDUSTRIES.

My master's thesis is on the cannabinoid profile of marijuana. I tell you this for historical footnote only.

In pursuit of my own master's thesis, I generated the most extensive popular literature library in the world. Then, I generated the most extensive scientific bibliography in the world. I then went into a laboratory under Federal license at a major university in which I designed a laboratory grade growth chamber called the PHOTOTRON.

If you read all of the popular literature, I did. All of the scientific literature, I did. And look at every apparatus that is in High Times, you will find one common denominator. Every system, UP TILL NOW, has attempted to re-create Hawaii. I suggest that when you finally achieve the re-creation of Hawaii, you can be NO BETTER than Hawaii's results. AND WHAT ARE HAWAII'S RESULTS?

In fact, you will grow the plant 6 to 9 months, 6 to 12 feet tall. In fact, you will average a 6-inch internodal length (distance between budding sites). In fact, have a 10% budding ratio at the tops of the plant. In fact, throw away 90% of the plant material (leaves/shake). And in fact, YOU MUST START ALL OVER AGAIN.

Look. The only thing I'm waiting nine months for is a baby, number one. Number two, I do not want a tree in my house. And number three, I am not going to pay the ELECTRIC BILL TO PRODUCE THE SUN somewhere in my closet. Do not let its pretty looks fool you. Do not let its size (3 1/2 feet tall x 18 inches wide) fool you. Do not let its weight at 17 lbs. fool you.

The PHOTOTRON will draw \$4.00 per month in electricity (average). My system is totally different.

In fact, you will grow 6 plants three and one half feet tall in 45 days, guaranteed. You will maintain a one-inch internodal length, guaranteed. That each plant will produce 1,000 budding sites, FROM TOP TO BOTTOM, guaranteed. And there will be 6 plants per individual PHOTOTRON, guaranteed.

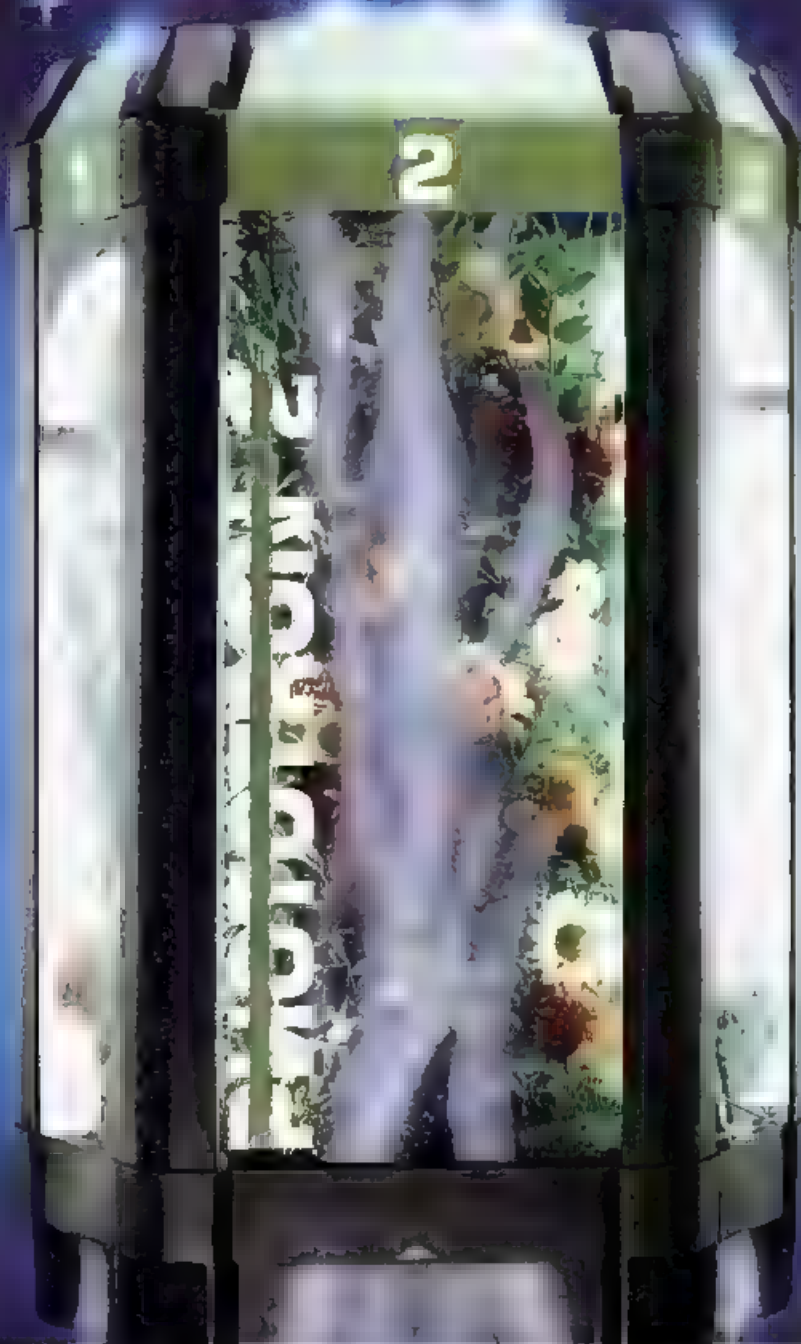
And this is the only system in the world where you can re-flower and re-bud the exact same plants every 45 days, up to nine times per year without killing them off. EVER. Then, you may re-flower and re-bud the exact same plants every 45 days up to nine times per year while you remove from the system every single solitary day. Every day (average 6-8 oz. every 45 days). You remove from the PHOTOTRON every single solitary day, beginning on day 20 from seed germination.

I, personally, guarantee and service back the PHOTOTRON, so do not let its technical nature throw you. You will require THREE PAGES OF INSTRUCTIONS ONLY. Because the system is TOTALLY COMPLETE. You will do three things: 1. Select your seed, 2. Plug the system in, 3. Water it.

Then, if you have any questions at all you may call me direct. Ask your question. Get your answer. And carry on about your business. You cannot fail with my PHOTOTRON. I do not allow any of my PHOTOTRONS to fall below SHOW-CASE. I have personally guaranteed every PHOTOTRON that has ever been sold. And I have never had one returned. I am not starting now.

"If you do not learn more about plant production than you have ever learned before, I will pay you for the call."

Jeffery Julian De Marco



THE PHOTOTRON		NO	NO	YES	YES	YES	YES	YES	YES	YES
Holds Systems		50%	NO	NO	NO	NO	NO	NO	PUMP	NO
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Photograph presented from university conducted research for Masters Thesis entitled "Factors Controlling Resin Production and Plant Growth," pertaining to any plant.

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PYRAPONIC LABORATORIES GROWING PLANTS PYRAPONIMETRICALLY

PYRAPONIC LABORATORIES MAINTAINS (1) The most extensive scientific literature library in the world (2) The most extensive popular literature in the world (3) The most extensive library of Data Packages and Soil Analysis selected from over 3 000 PHOTO-TRONS sold worldwide. (4) On premises, over 25 PHOTO-TRONS with the capacity of three shelves each so that up to 75 experiments may be ongoing at any one time. Jeffery Julian DeMarco, President and Founder of PYRAPONIC INDUSTRIES and PYRAPONIC LABORATORIES maintains his PHOTO-TRONS for the purpose of killing plants. It is only after experimenting with the parameters of death at PYRAPONIC LABORATORIES that the PHOTO-TRON can perform so miraculously around the world. Said to be the number 1 herbicidal maniac, Mr. DeMarco has full-time laboratory technicians on staff and has the most extensive technical consulting network from Universities around the world. PYRAPONIC LABORATORIES maintains the most sophisticated on-premises computerization for data analysis and retrieval in the world. Thousands of experiments have been conducted and thousands more will be ongoing to expand ever further the performance of each PHOTO-TRON. As PYRAPONIC LABORATORIES introduces new methods or nutrient formulations, each PHOTO-TRON owner is contacted so that every PHOTO-TRON is upgraded long after it has been purchased. THE PHOTO-TRON IMPROVES MORE AND MORE THE LONGER YOU OWN IT.

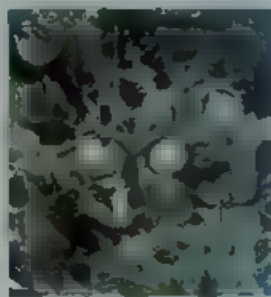
GROWTH PATTERN OF TOMATOES GROWN PYRAPONIMETRICALLY



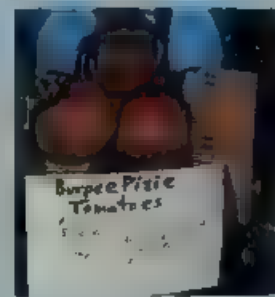
Young tomato plants in vegetative stage.



Young tomato plants beginning to flower and fruit.



Fruiting less than an inch apart.



"Normal" fruit development with a reduced root-to-shoot ratio.

GROWTH PATTERN OF CUCUMBERS GROWN PYRAPONIMETRICALLY



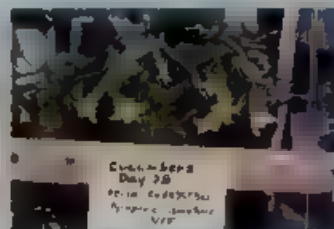
Typical testing pattern by Pyraponic Laboratories depicting the morphological differences of cucumbers grown under identical conditions except one nutrient level.



Plants nearing top of Phototron in less than 30 days.



Plants filling the Phototron in less than 45 days.

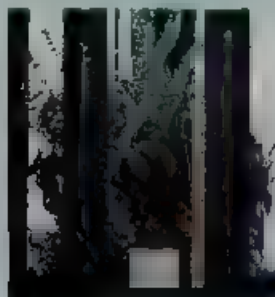


Tremendous flowering and fruiting less than an inch apart.



"Normal" fruit development with a reduced root-to-shoot ratio.

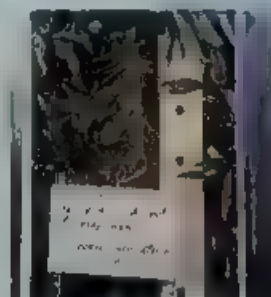
HERBAGE VEGETABLES AND FLOWERS GROWN PYRAPONIMETRICALLY



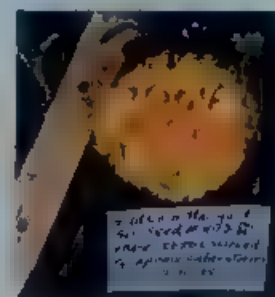
Herbal garden at 65 days of Parsley, Sage, Basil, Oregano, Thyme and Chive.



The hottest jalapa pepper grown anywhere in the world.



Laboratory experiment producing complete root systems on the stem structures of flowering marigolds.

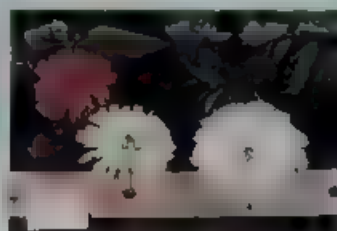


"Normal" marigold flower size produced with reduced root-to-shoot ratio.

GROWTH PATTERNS OF ZINIAS AND SNAPDRAGONS GROWN PYRAPONIMETRICALLY



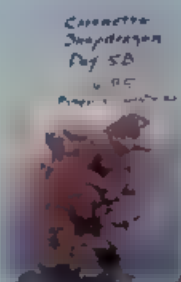
Day 44 Phototron jammed with flowering zinnias.



Day 52 "Normal" zinnia flower size produced with reduced root-to-shoot ratio.



Day 46 Phototron jammed with flowering snapdragons.



Day 58 "Normal" snapdragon flower size produced with reduced root-to-shoot ratio.

NORML — IZER

Who Next?

By JON GETTMAN, NORML Director

I imagine how you would feel if a few armed men knocked on your door, served you with a search warrant, ransacked your home, placed you under arrest, read you your rights, handcuffed you, shoved you in the back of a squad car with all of your neighbors watching, took you downtown, took a mug shot, took your fingerprints, let you make a phone call, strip-searched you and explored your various body cavities, and then threw you in a damp prison cell with bright white light and dingy green walls and left you there for the night, or longer, to contemplate whether or not growing a plant in your closet was worth all this special treatment.

If you smoke, possess, or grow marijuana in your home this may happen to you. It happens more often than you think. Over 400,000 people are arrested every year for marijuana related offenses, and that's just to get your attention.

The leaders of our great country believe that marijuana is so dangerous that you should go to jail if you use it. The threat of imprisonment is meant to make you think twice before you smoke that next bong hit; however, in practice it simply makes you a bit more discreet. Most marijuana smokers think that they won't be the one who gets arrested, and if they go by the odds they might be right.

But what about the ones who do get arrested? What about the citizens a judge decides to make an example of? He or she may go to jail for a few days, or a few weeks, or a few months, or in some cases even for a few years—in jail—for using marijuana and selling it. The people who go to jail for marijuana of-

fenses are victims twice over. They are victimized by an unjust law and an uncaring court system that makes moral dissent a crime. But they are also victimized by their uncaring peers (that's us), who could have prevented the perpetuation of these unjust laws but chose not to.

Quite frankly, we ought to be ashamed of ourselves, ashamed every time someone else goes to jail for our crime, the crime of not standing up for our rights. In Texas a man was sent to prison for 70 years for selling less than a quarter-ounce of marijuana. A woman in Ohio was sent to the county jail for 60 days for mere possession of two-tenths of a gram of marijuana. It was her first offense, but she still had to serve the time. They were both sent to jail to send both you and me a message—as long as we choose to break the laws about marijuana use without changing them, our friends will be put in jail.

When I got involved in this issue I was very naive. I thought it would be fun to be part of a righteous cause, and that being right meant that we were also going to be successful. I thought it would be fun to be self-righteous and to taunt the establishment for being so hypocritical about drug use. I thought it would be neat to cast myself as a marijuana crusader and that my ego would eat up all the attention I would get by doing something "cool." I thought it would be fun to talk about marijuana all the time. And it is. But the more I got involved, the more I found out that the fun doesn't at all make up for the pain.

I found that underneath our self-serving rhetoric about being involved in a good cause

is one undeniable fact that I can't escape from—every day I talk to someone whose life is being ruined by laws I should have worked to change a decade ago. Ten years ago I was selling bongs and rolling papers. I thought legalization was inevitable, and that it was time to enjoy our outlaw status while it lasted. Now, every day I get a letter from someone who is in jail on a marijuana charge, or a phone call from someone who has just been arrested and doesn't know what to do, or a call from a man or a woman whose job is on the line on account of a urinalysis test.

So let's forget the rhetoric, forget about self-justification, forget about the abuse of power, or morality, or national security states, or drug paraphernalia. I wrote a few months ago that talk is cheap and that morality is measured by action. We are all adept at sounding righteous, let's see how adept we are at not only keeping people out of jail but helping those who are already there.

The public's general ignorance about the casualties of their War on Drugs is especially ironic when you consider that the common excuse for prohibition is to send a message of disapproval about marijuana use by locking up a few random offenders. Why, then, don't we hear more about these prisoners?

Because most people, ourselves included, are too embarrassed to admit that yes, we still jail people for marijuana use.

During the '70s NORML kept focused on that sad, tragic fact, and the guilty public responded by reforming the law. The people who opposed decriminalization, and who

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URINE BALL

by Michael Corcoran

AUSTIN, TEXAS

BILL LEISSNER/LIVE SHOTS



JEFF NIGHTBYRD

Many residents of this liberal outpost tucked deep in the Lone Star State have expressed disapproval over the increasing instances of mandatory drug testing, but none have aired their outrage in such a flamboyant manner as has young Jeff Nightbyrd, who calls himself the country's first "urine entrepreneur." He initially garnered national media notoriety last fall when he was marketing "unadulterated and drug-free urine for research purposes only," packaged in plastic bags containing tubes through which it could be poured. When the *New York Times* ran the Associated Press story last November, they reported indignantly that Texas Health Commissioner Dr. Robert Bernstein couldn't find any law that could close down Byrd Labs of Austin, nor would customers who bought urine and palmed it off to their bosses as their own be guilty of any legal infraction.

"It's a piss-poor country when they judge a man by the quality of his urine rather than the quality of his work."
—fired Austin construction worker

Byrd Laboratories therefore made a splash, the implications of which were applauded by Texas Civil Liberties Union Director Gara LaMarche. Predicting that a black market in clean urine would render unmonitored tests useless, LaMarche said this would make the resulting closely watched urine sampling "so degrading and intrusive that most people [would] find it very distasteful." Or, as Nightbyrd puts it, "Do you want someone watching your mother pee?"

Realizing that most people are reluctant to carry a bag of urine in their pockets (it must be especially hard to dig out two quarters for the bus), Byrd Laboratories introduced powdered urine—just add water—and published "Success In Urine," a pamphlet that gives tips on how to beat urinalysis.

But Nightbyrd knew his efforts were just a drop in the bucket. People were still having their privacy invaded—so much for the Fourth Amendment's protection against unreasonable search and seizure. Workers were still losing their jobs, and all because of a drug test that has been cited as giving false positive results up to 30 percent of the time. One night Nightbyrd decided to call the White House to express his outrage. The White House operator answered and Nightbyrd said he'd like to leave a message for the President. Then he held out the receiver and 600 people at the Ritz Theatre in Austin yelled in unison, "WE WON'T DROP OUR ZIPPER FOR THE GIPPER!"

The call to Reagan was the centerpiece of the Urine Ball, a gala mix of satire, music,

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SEA AND DRUGS AND HOMICIDE

Coke King **CARLOS**

LEHDER RIVAS in Jail:

the Inside Story

by Segundo Sombra and Dean Latimer

This is the guy who moved all the cocaine into the States over the last ten years?" an ex-narcotrafficante taverner here asked with incredulous amusement when the arraignment of Carlos Lehder was described to him by a reporter. "Jesus, I wouldn't hire that ding-a-ling to tend bar in a tourist trap. He obviously *nips the stock!*"

The arraignment of Carlos Lehder Rivas, 37 years old, the much-dreaded billionaire narcotrafficante and neo-Nazi of Medellín, Colombia, was prime American farce material. While grimly vigilant federal agents in bulletproof vests, bristling with pump-action shotguns and Israeli Uzis, guarded the main courthouse door of Tampa's Federal District Court, four federal marshals inside rather casually ushered the legendary dope baron into magistrate Elizabeth Jenkins' courtroom, unhandcuffed and obviously much more hung over than homicidal at the moment. He was still dressed for the previous day's *fiesta* down in Rionegro, in running shoes, dungarees, and a sweatshirt emblazoned in English, "Cycling"—the current fad sport among the wholesome youth of beautiful Colombia.

"He's really sexy, in a crazy-dangerous kind of way," one woman clerk adjudicated, *sotto voce*, appraising the way Lehder's husky shoulders sloped up to meet his bullish neck where his shaggy hippie haircut ended. "Short and solid and sexy."

"Yeah, but he's sick," observed a drugwise gate-

crasher. Lehder's massive black eyebrows were virtually joined over his nose in a tight squint, and he appeared to be concentrating massively on some inward thought of vast importance. "This fucker is seriously hurting. He's gonna be sick for weeks."

Lehder sat very still while irascible United States Attorney Robert Merkle enumerated the crimes with which he was charged in the Middle District of Florida, as though any sort of movement would entail great pain. He may also have been trying to remember those particular crimes that occurred a very long time ago, well past the ordinary statutes of limitations. Prosecutor Merkle was telling this Tampa magistrate about some ton-and-a-half of cocaine that had evidently moved through Lehder's old Bahamas hideaway between 1978 and 1981 with the help of some long-dissolved letterhead corporation called Caribbean Ventures Leasing, a \$600,000 Cessna, a Yank named Reed, and two Krauts named Schrudt and Rogel. It was all so long ago, so many complicated conspiracies in the past, and the gooseflesh and headache were obviously already coming on so strong,

that Carlos Lehder was clearly not inclined to pay much attention.

But finally the bombastic Merkle deviated from the hard counts in this ancient indictment to contemporary fable and slander, and managed to goose a reaction out of the suffering drug baron. Lehder, Merkle darkly warned magistrate Jenkins, had murdered some judges in his day: "He has said if he was caught," Merkle warned her, "he would kill a federal judge each week until he was freed."

"That's a he!" yelled Lehder, in the disgusted tone of a celebrity who has been much maligned by popular rumor. Merkle's gloat was radioactive: this scumbucket hadn't denied any of those *other* charges, had he? Carlos winced at the physical pain this outburst had caused him, and stayed silent until the subject of legal representation arose.

Whereat Carlos Lehder Rivas—who until just over 24 hours previously had been worth at least two billion US dollars—had to concede that he was dead broke, undoubtedly for the rest of his life. So they assigned him a federal public defender named Edward Piso, and walked them

both unspectacularly out of the courthouse through a side door while the grumpy vigilant federal agents posed out front with their ordnance for all the reporters and their cameras.

"He must follow Jane Fonda's aerobics routine," the clerk approvingly speculated.

"Naw, Arnold Schwarzenegger for sure," the gate-crasher diagnosed. "They better start him off on Dilantin right away, though. He looks like he's got some convulsive barbiturate withdrawals in his near future."

Pilgrim's Progress

Until the day before his arraignment last winter, Carlos Lehder Rivas had been the shakiest leg in the three-legged Medellín Cartel, the flamboyant narcocracy of northern Colombia that could never quite get sufficiently together to run the whole country outright.

"Back when I was in the Trade I actually reckoned it would be even worse by now," recalls the dope-dealing Naples taverner, who imported his last bale of pot in 1979.

continued over



"The old *parsons*, the Atlantic coast smuggler families of Colombia who set up the fume trade in the '60s, were just then moving into coke in a big way, making billions already. They were sending their kids off to scary places like the London School of Economics and to Stanford, and I was really apprehensive of what would happen when those kids got back in four or five years with their heads full of political convictions, and their hands on all that money." He sips a drag off his enhanced-THC joint—the weed in South Florida is so lousy these days, he says, he dips his personal stock in hash oil—and broods over the night-time cityscape a moment, then brightens a bit. "But I shouldn't have worried. It was the street punks like Lehder who were bound to rise to the top, after they all started using machine guns."

This is how a homicidal space case like Carlos Lehder wound up sharing Medellín's stranglehold on all the finished cocaine in Latin America. Geography ordained it as much as anything else, along with the exigencies of law enforcement. Virtually all the raw coca-paste produced from the bushes in Bolivia and Peru moves ineluctably, almost as though self-propelled, to the finishing labs in the wholly-unpoliced Alto do Rio Negro region above Manaus on the Bolivian-Colombian border. Since the Rio Negro itself originates not far from Medellín, a famous Andean resort city with an illustrious history of every sort of corruption and violence, of course the people who were on top of the Trade there in the late '70s wound up with the whole South American cocaine franchise. Carlos Lehder simply happened to be one of the top Medellín dope movers at the time, along with an equally unpredictable narco-trafficante named Pablo Escobar and the exceedingly practical and conventional Ochoa family, who have been running most of the rackets in Colombia's Antioquia State since time out of mind.

Papacito Fabio Ochoa's dutiful sons—Jorge, Juan David, and Fabiocio—oversee the collection of the cocaine from

How did a homicidal space case like CARLOS LEHDER share a stranglehold on all the finished cocaine in Latin America?

the Brazilian labs, as far as US dope dealers and federal agents have been able to dope it out. The Ochoas also appear to conduct the day-to-day routine of bribing Colombian cops and government officials, threatening them when necessary, and enacting the occasional necessary kidnapping or murder of upstart would-be rivals and deadbeats. Pablo Escobar evidently handles the arrangements with the Cartel's organized-crime customers and moneywashers around the Caribbean, mostly in Panama and South Florida. It was always unclear what useful role Carlos Lehder played in the conspiracy, except possibly as political theorist and public-relations ringmaster.

Before 1984, Lehder actually managed to persuade most patriotic Colombians that the Atlantic coast mafiosi were working, at bottom, in the country's best interests. As proprietor of Armenia's sole daily newspaper, he entertained the ultraconservative majority of decent Colombian citizens with fierce right-wing political diatribes (while his confederate, Pablo Escobar, appeased the leftists by subsidizing low-income housing projects in Medellín). Lehder set up a series of fabulously popular adventure parks stocked with African animals, sponsored a fairly professional-quality pro *fútbol* squad, and ultimately created his own political party, the Latino Nacional.

The agenda of Latino Nacional was a trifle to the right of Argentina's famous *Mechanic School of the Navy*, at least in its propaganda. They boasted of their own paramilitary "death squad," *Muerte a los Secuestradores* ("Death to

Kidnappers"), which was supposedly dedicated to "disappearing" subversives, Castroites, Zionist agents, drug dealers, and other such anti-Colombian vermin. If this "death squad" was really only engaged in the ignoble elimination of the Medellín Cartel's wholly apolitical commercial rivals in the *estupafaciente* dodge, the political legend still played well enough in Bucaramanga. Patriots also generally agreed with Lehder's emotional and incendiary repudiation of the extradition treaty 'twixt Colombia and the USA, a degrading and effeminate capitulation to *Norteamericano* imperialism. Lehder's propaganda hacks continually called that treaty. Though floridly charismatic and magnetically handsome, Lehder tended not to attract many repeat press interviews. After journalists had listened once to his articulate lectures on the political brilliance and moral integrity of Adolph Hitler and the Zionist-engineered myth of the Holocaust, they tended to never come back for more. And thus all things were lovely for the Medellín Cartel.

Assassinations R Us

This idyll was of limited duration. In April 1984, somebody assassinated the new Minister of Justice in Bogotá, Rodrigo Lara Bonilla, who was even handsomer and more popular than Carlos Lehder just then. Of course the Medellín Cartel got the blame for it, although their indignant protestations of innocence—to this day—might actually be sincere. Lara Bonilla simply hadn't been on

the job long enough to seriously impede the Cartel's style—although, in 1983, Pablo Escobar had proudly shown off to the newspapers a cancelled million-peso check that one of his paymasters had once made out to Bonilla, before he ever even took the job. Drug-crazed paranoiacs have even speculated that the U.S. DEA could conceivably have sponsored the Lara Bonilla murder contract, to simultaneously eliminate a potential bribe-taker and permanently poison the affections of all decent Colombians against the Medellín Cartel.

Howbeit soever, erstwhile President Belisario Betancour declared a full-fledged state of siege in reaction to this assassination, and marshalled the army with the intention of invading Antioquia. Carlos Lehder, therefore, in 1984, vanished into the jungle. Ochoa's boys and Pablo Escobar sloped up to Panama. During the year it took for them to bribe their way back to Medellín, it's no secret that Lehder grew extremely homesick and despondent. This, then, may have been when his reckless recreational use of psychotropic substances—the object of continuous criticism, 'tis said, from the abstemious Ochoas—developed into a Problem.

After this humiliating exile in General Noreiga's Panama, the Medellín Cartel in 1986 undertook seriously to try to slap the Bogotá government into line. Events in Colombia since the new administration of Virgilio Barco was elected last summer have been extraordinarily bloody, even for a country which only half-jokingly counts homicide as its number three national sport (after bicycle-racing and *fútbol*).

Briefly, and just partially, Supreme Court Justice Hernando Baquero was assassinated after signing over some hapless low-level dope movers to Uncle Sam in compliance with that abominable extradition treaty (which was finally approved in 1985). Then a Medellín district court judge, Gustavo Zuluaga, was murdered after convicting some bottom-drawer *contrabandistas* of extraditable offenses. Jaime Ramirez Gomez, an

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Intelligence analysts inside both the CIA and the KGB, and our own experts at HIGH TIMES too, have recreated the contents of this note and it's strange! Valium, SIR! That's diazepam, SIR! A minor tranquilizer, SIR! Also dispensed for alcoholic convulsions and lower-back pain, SIR. Medium abuse liability. Extremely high lethal-overdose threshold. Overdose symptoms characterized by a vegetative "spaced" state lasting 24 to 36 hours, SIR! No permanent aftereffects. Dangerous only in combination with alcohol or other depressants, SIR! Ideal chemical vehicle for harmlessly neutralizing or silencing inconvenient, hostile elements for brief, critical periods.

Yes, I can remember Basic Toxicology at Quantico as though it were yesterday. I can remember everything, that's the problem here. So can Ollie and Poindexter and Dick Secord, but they were smart enough to take the Fifth. I thought if I went on oath and shielded the President, and swore he never did order us to peddle all that snuff stuff to the Rugheads and plunge the money into more snuff stuff for his precious little Contras, that the fucking President would ride right along with me. Nixon did it, didn't he? But it turns out this daffy old fart sincerely can't remember giving the orders, because his medulla oblongata is all burnt out with Alzheimer's and those steroids they pump him full of to keep his eyes open and his mouth moving. So when I cover for him, what does he do? He says I'm lying! Demands full disclosure. Turns over the fucking mainframe computer in the White House basement to fucking Congress!

Well, I am outta here! You have any idea what's gonna poop out of that computer? They'll get the signed and dated orders for the Rug deal and the Contra caper first thing, sure. But then what about the count Ollie was keeping, right down to the last little zee, of all the fucking cocaine his Junior Woodchucks flew in from Costa Rica, while the CIA, just looked the other way, and covered their eyes and ears, and bided their sweet time until somebody fucked up, those conniving, spooky cocksuckers. And how we washed the money, and where we banked it, and who did the haggling with Ochoa's people.

So I am just gonna take a little vacaaaaaaation. Yes sirree, SIR! Vaaaaaallium, Sir. That die-saaaaazepam, Sir. A minor traaaank-qu-ey-don't give a shit.

URINE BALL

continued from page 20

and rhetoric organized by Nightbyrd as a benefit for the Urine Defense Fund, chaired by Texas Civil Liberties Union Legal Director Jim Harrington. The UDF's aim is to win a test case, thereby establishing a legal precedent to declare urine testing in the workplace illegal in the state of Texas.

The aim of the Urine Ball, besides adding to UDF coffers, was to dramatize the absurdity of what Harrington calls "20th-century witchcraft." Yellow was the color of choice, with attendees resplendent in yellow ballgowns and yellow tuxedos, or dressing down in yellow button-downs or T-shirts emblazoned with such slogans as "Hell no, we won't go" or "Pee for pleasure, not for employment." Also prominent were white lab coats (science over scatology) and yellow rain coats, though the sky was cloudless. Early arrivals made their entrances to the taped accompaniment of "Mellow Yellow."

Emcee Amos Ewing, whose zipper was ducked, promised that the show would go on until the "wee wee hours" and, indeed, it did. A subversive rap group, the Whiz Kids, started with a cheer: "Gimme a Pee!" The rock band Airhead brought out a two-gallon jar and suggested that the audience fill it and send it to Reagan. A song contest yielded such entries as "Urine Trouble," "Liquid Gold," "Take This Jar and Shove It," and "Mama Don't Allow No Urine Testin' Round Here."

Local country faves, Asleep at the Wheel, contributed a solid musical set devoid of puns or low-brow humor, though leader Ray Benson didn't rule out double entendres by

announcing that he's been at the "forefront of drug testing for twenty years." The Uranium Savages, longtime Austin musical satirists, changed their name to the Urne Savages for the Ball and spouted forth a shower of golden spoofs including "Pissing in a Bottle" (to the tune of the Police's "Message in a Bottle") and "It's in His Piss" (to the tune of "It's in His Kiss"). The Savages got the night's biggest laugh when they introduced their singer as Piss Pistofferson, changed the words to "Knockin' on Heaven's Door," and sang:

*Don't take this job away from me
It's all I'm living for
Don't make me go in there and pee
I feel like pissin' on Ronnie's door
Piss, piss, pissin' on Ronnie's door*

The Urne Ball was not the financial success organizers had hoped for. After out-of-pocket expenses were taken care of, there wasn't much left for the Urine Defense Fund. But success isn't always measured in dollars. At one point during the ball the stage was dominated by six eight-foot-tall urine specimens dancing in Rockettes-like choreography, singing a song called "Urne the Money." It was a most ridiculous sight, yet the exposure of the unanalysis farce was quite serious. In the audience were camera crews from the three local networks and CNN, and over 40 representatives of the national print media. All Jeff Nightbyrd could do was repeat "This is great" as the Urnettes paid homage to Byrd Laboratories.

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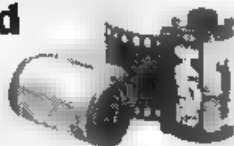
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DR. FORREST TENNANT of West Covina, California, is the proprietor of a chain of 26 commercial drug-treatment clinics in Southern California and is the National Football League's designated drugs expert. Could it be that his concern about drugs springs from pecuniary motives rather than altruism? —D.A.L.

THE FURTHER ADVENTURES OF FORREST TENNANT

(As quoted in AMERICAN MEDICAL NEWS, October 24, 1986.)

"You know, this [illicit narcotics] is a \$40-billion business, and a lot of people don't like the kind of things I've been saying. Oh, they've threatened my life and they've offered to buy me off. They're very sophisticated, these people. Their attorneys will approach me and suggest that I use terms like 'recreational' drugs instead of 'killer' drugs. I could retire with the money I've been offered to shut up...

"I stay on the move. You'll notice that I park my car in back and come in the back way. No sense in taking any chances. Tomorrow, I give a speech up in San Francisco to a parents group, and I'll stay in a different hotel than where the meeting is being held. And I've told them I'll need guards. Any time you say anything bad about marijuana in California, you need security. That's because marijuana is the leading cash crop in Northern California, and a lot of people are making a bundle. This new high-potency marijuana that is crippling our kids is being grown right in our own backyards—Northern California and the Sun Belt states like Georgia and Mississippi. The pushers don't like what I'm saying. About three years ago in San Diego, they broke into my hotel room at night, but I escaped out the back door. I've been too fast for them.

"Crime cannot flourish unless it has the support of society, and the drug industry has bought people off, everybody from politicians to the police to the bureaucrats who run the government agencies. In fact, when you see the market being flooded with all these new cheap products, things like black-tar heroin and crack and designer drugs, you have to wonder who's behind it. There's no one brain behind it all, and there's a variety of motives—some do it for the money, some because they figure if they don't take the money somebody else will, and some for malignant reasons. Personally, I think that there's a foreign power behind it, maybe Russia, maybe the Third World."

SEX AND DRUGS

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overachieving colonel in the civilian narcotics squad, was killed next. Other judges received anonymous packages in the mail containing photos of their children on the way home from school. National politicians in Bogotá received tape cassettes on which they could hear themselves speaking over their home and office phones, discussing personal, political, and even national security matters.

The new Barca government reacted to this unprecedented political narco-terrorism with an initial flush of promising timidity. The Supreme Court in November raised the question of whether the US extradition treaty was really constitutional, because it had never been signed by the President, but by the mere Minister of Justice in 1985. This minister, Enrique Parejo, was abruptly appointed ambassador to far-away Hungary, and his fiercest antinarcotics aides were posted to Romania, Norway, and Portugal respectively.

If levelheaded political tacticians had prevailed in Medellín, the Cartel at this propitious point might have eased up on the homicide stick and sweetened the bribery carrot. But no, evidently *someone* up there was clear out of his handsome young *cabeza*. On the 13th of January 1987, as the 56-year old Colombian Ambassador to Hungary was leaving the Embassy in Budapest, a man stepped up to him and asked, "Es su nombre Enrique Parejo?" When he answered "Si," he was shot five times, twice in the head. When he somehow survived, an outfit in Colombia calling itself the "Hernan Botero Moreno Command" (after the first hapless Medellín Cartel moneywasher extradited to the U.S. under that abominated 1985 treaty) promised to finish him off for good the next time they found him within range of a Heckler & Koch.

This was not the end of the overkill, far from it. Raul Echavarría, an ultraconservative Cali newspaper editor who'd been plugging for the death penalty for cocaine offenses, was greased in his own

home. And then Guillermo Cano, the 61-year-old editor of Bogotá's independent, muckraking *El Espectador*, was machinegunned on his way home from work by two hoods on a motorcycle, just like any sleazy dope baron. Every journalist in Colombia—prunt, radio, television, liberal and conservative—went on a sit-down strike for 24 hours, to show the country what things would be like if these Medellín gangsters ever might really take over the country.

None of this happened in a vacuum. In Florida last winter, Yankee dope movers were telling Congressional Contragate investigators that Jorge Ochoa of Medellín was personally convinced that he was moving cocaine with the connivance of the Central Intelligence Agency. Papers with the probity of *The New York Times* were soberly retailing dope-trade allegations that Colonel Oliver North's inventive Junior Woodchucks had been running tons of the Cartel's toot into the States on the homeward

leg of their patriotic contra-re-supply operation. And yet photogenic young Carlos Lehder, having cultivated a perfectly Castroite beard, was dressing up in glamorous camouflage fatigues and combat boots, holding jungle press receptions at which he called for *any* old political activists—leftwing, rightwing, anarchist, Yippie—to enlist in a tremendously complicated and crafty cocaine conspiracy against Los Estados Unidos, the Great Satan.

This was probably the least opportune possible moment in history for the Cartel's chief political theorist to adopt this lunatic rhetorical tack. Cocaine, rhapsodized Lehder, is the "Achilles heel of American Imperialism." The Trade is "the arm of the struggle against America," forsooth. Just as though the grandstands of his Latino National Party had not been decorated with Cyclopean portrait posters of Hitler and Mussolini, Carlos Lehder was now yammering like a cocaine-crazed *Marxist*.

At the same time, by reliable

report, his partner Ochoa was reassuring nervous *Norte-americano* cocaine investors that he was confident they all had CIA protection. The contradictions, as Chairman Mao might have put it, had been heightened to the point where something simply had to give.

Alarums and Excursions: Noises Off

"Never nip the stock when you're moving cocaine," advises the wise old Florida taverner. "It'll climb up on you every time, I never saw it to fail. If you're going to dip into the Trade, you have to live like a fucking Quaker until you get out. I didn't even hardly smoke pot the three years I was moving Santa Marta Gold merch in weight. You shouldn't let yourself do anything you positively like to do, when you're working in the Trade. It'll get ahead of you for sure."

When they came after Carlos Lehder in Rionegro, just outside of Armenia, the Colombian police were operat-

continued on page 30



COCAINE COUNTRY: Colombia and environs.

TRANS-HIGH QUOTATIONS MARKET

MAJOR MARKETS

Ann Arbor, MI	Mexican shit weed, seedy, stemmy & brown, "mediocre brickweed"	oz lb	70-110 800-1000
	Immature Arizona <i>salvia</i> , "creeper buzz"	oz lb	70-130 1700-1900
	<i>Indica-sativa</i> hybrid "all gone waiting for harvest"		
	Hash, "here & there"	■	10
Cambridge, MA	Blotter, "clean & strong when available"	hit	2-3
	XTC	dose	15
	Green Bud, "good herb, nice high"	1/4-oz	45
	Thai Bud, "out-standing, looks like shit but it doesn't get much better than this"	1/4-oz	55
Dallas, TX	Afghan Hash, "rockhard, incredible"	1/4-oz	60
	Shrooms, "good but not great"	1/8-oz	30
	Acid, White Blotter, "Okay, too expensive"	hit	5
	Weed, "plenty of dirtweed around"	1/4-oz	25-35
Fort Worth, TX	Primo weed, "good buds will cost you"	1/4-oz	40-60
	Doses (acid), "lots cut with shit"	single	4-7
	MDMA	dose	20-35
	Weed, "lots of variety, skunk, Hawaiian, <i>indica-sativa</i> "	1/4-oz	50-60
New York, NY	Mushrooms, "hold out for fresh"	1/4-oz	25
	Peyote buttons, "I love em"	1/4-lb	20
	Acid, Sun Print, "supposed to be over 100 mcs"	sheet	60
	Acid, Flynn Eye, "very good, I know"	sheet	40
Bangor, ME	Acid, "one drop at a time, very very good, supposed to be over 180 mcs"	vial	70
	MDMA "weird shit"	dose	10
	Jamaican Lamb-bread, "comes as brick and has hard"	1/4-lb	550
	Mexican, "beautiful and buddy"	1/4-lb	425
Bangor, ME	Colombian, "pretty good, brings back memories of the old days"	1/4-lb	220
	Northern Lights, indoor, heavy resin bud, brutal force"	oz ■	200 2800
	Thai-Green house grown, "lime green-gold primo"	b	2000
	Indistat, <i>indica-sativa</i> , "strong stone"	lb	2200
Bangor, ME	South African DPx34 "sweet incense, fast mover"	lb	2000
	Durban Chitral, "very potent"	oz	275
	Chitral Tugpegaro	lb	1800
	William's Wonder	lb	1800
Bangor, ME	Afghan-Malawi	lb	2000
	Skunk #1, real thing - a fast mover"	lb	2800

AROUND THE U.S.

Bangor, ME	Northern Lights, indoor, heavy resin bud, brutal force"	oz ■	200 2800
	Thai-Green house grown, "lime green-gold primo"	b	2000
	Indistat, <i>indica-sativa</i> , "strong stone"	lb	2200
	South African DPx34 "sweet incense, fast mover"	lb	2000
Bangor, ME	Durban Chitral, "very potent"	oz	275
	Chitral Tugpegaro	lb	1800
	William's Wonder	lb	1800
	Afghan-Malawi	lb	2000
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	Northern Lights, indoor, heavy resin bud, brutal force"	oz ■	200 2800
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	Chitral Tugpegaro	lb	1800
	William's Wonder	lb	1800
Bangor, ME	Afghan-Malawi	lb	2000
	Skunk #1, real thing - a fast mover"	lb	2800

Prices current as of February 15, 1987.
Send quotations to: THMQ,
211 E. 43rd St., New York, NY 10017.

Mazan Sharif, "potent stuff"	California Orange, "lots of resin"	lb	2000		
	Hawaiian <i>Salvia</i> , "very high sailing, short supply"	lb	3200		
	Khyber Afghani, "honey oil"	1/4-oz	50		
	Mazan Sharif, "potent stuff"	Mexican Sinse, good smoke"	1/4-oz	40	
		Homegrown from Kansas, "ex-panda's nice"	oz	150	
		Hash, "nice, dark Afghani," also from Kansas	1/4-oz	35	
		Shrooms, "good quality real trippy"	oz	120	
LSD Blotter, "usually a ripoff but occasionally trnp pretty intense"	gm	10	225		
LSD Blotter, "usually a ripoff but occasionally trnp pretty intense"	Shrooms, "good quality real trippy"	gm	10	200	
	LSD Blotter, "usually a ripoff but occasionally trnp pretty intense"	hit	10		
	Lancaster, PA	Afghan #1 S.S.S.C seed, "beautiful body blitz"	1/4-oz	50	190
		Nepali/Thai, S.S.S.C seed, "finest ruid buzz in years"	oz	190	2200
		T.M.I. "glow in the dark skunk, so what if it glows?"	1/4-oz	50	200
		"All herbs grown indoors, of course"	lb	2300	
		Long Island NY	Green Sinse from Jersey	1/4-lb	550
Brown Colombo, shifty			gm	10	
Acid, Ronald Reagan picture blotter "lots of strange trails"			hit	8	
Madison, CT	Medium grade Mexican sinse, plenty available"		lb	1300-1600	
	Martha's Vineyard, MA	Vineyard home-grown, fat juicy and green"	oz	200	
Brown cancer weed		oz	100		
Hashish, sticky, good shit "fresh in from Morocco"		oz	100		
Shrooms, fresh from the freezer & Vineyard cow pastures, very trippy		gm	15		
LSD, Album Cover, "very clean"		one	4		
MDMA, "big pills"		one	20		
Piscataway, NJ		Mexican red-hair, <i>salvia</i> , dark green buds moist, semi seedless, "best Mex in years"	1/4-oz	45	
	Mexican weed, green-brown, dry much available, "gets you stoned, O.K."	oz	145		
	Jamaican Ganja, brown buds, mellow high, hard buds Ras-tafarian connection from NYC	1/4-oz	1700		
	Green shake, chopped, pre-mature buds, local grown, harsh shit "avoid if possible"	1/4-oz	40		
	Black Afghani hash, hard to find, "usually around in droughts"	gm	10		

continued from page 19

now oppose legalization, tend to change the subject away from arrests and toward adolescent drug use and other emotional issues. They have the audacity to claim that no one goes to jail anymore for marijuana possession. And they've even suckered us into playing their game, until now, that is.

Let's digress for a moment. Last fall, everyone was getting hysterical about crack and the need for the government to do something, anything, about the drug problem. Our supporters, understandably, began to get a little hysterical as well. And, truth be told, so did we. We began hearing a lot of analogies between the effort to weed marijuana smokers out of American society and the Holocaust in Germany, or between urinalysis testing and the literacy tests used to maintain segregation in the American South. In this magazine, and in a few letters to our members, we repeated some of these analogies.

In retrospect, I'm surprised that we only received a few complaints. But we learned quite a bit from the few we received, and those lessons are worth repeating here.

There is nothing like the Holocaust in Germany, and attempts to draw comparisons between it and the marijuana issue in America are not only mistaken but also trivialize one of the greatest horrors of history. I apologize on **NORML's** behalf for our naive attempt to draw such an analogy. There is also no comparison between segregation and the marijuana issue. Those of us working to publicize the injustice of marijuana prohibition gain nothing by comparing it to even more profound injustices. In fact, we only demonstrate how little we actually know about the greater injustice.

While one can argue about similarities between this injustice and that injustice as if we're all in a competition to see who has been degraded the most, the argument itself misses the point. This is the lesson we recently learned. Approaching our issue in that fashion means that we've taken to playing by the other side's rules—see how much emotion you can whip up. Those are the rules of demagoguery, and there is no place for them in our movement. After all, it's those rules that got us here in the first place.

Another lesson, though, is worth passing along. An old **NORML** alumnus, who I personally respect a great deal, was understandably shocked at the emotional rhetoric we had lapsed into. He was also perplexed. People are going to jail or losing their jobs for smoking marijuana in the privacy of their own homes. Now, that is an injustice. Why on earth do we need to make overstretched analogies to the Holocaust or to segregation when the simple facts of our injustice are so straightforward?

What I learned from all of this has renewed my dedication to help the victims of marijuana prohibition. When we whine about persecution, and about the injustice of it all, and about

how misguided the government is, and how it reminds us of this or reminds us of that—when we resort to this sort of behavior we are trivializing the arrest of every single friend who has gone to jail for marijuana.

I use the word trivialize quite consciously and deliberately. We are prone to say anyone of a hundred things first, and then add the trivia that over 400,000 are arrested every year, or the trivia that one person got a forty year sentence, or so on. Many of us get so caught up in the big picture that we forget about the little picture. People are going to jail for something you and I do almost every day. We have to deal with that, and make society deal with that, and we have to quit trying to outdo the other side in rhetorical excess.

You see, it's easy to rationalize the laws against marijuana use, as easy as it is for users to rationalize breaking them. I'd like to see our leaders, though, confronted with the over 400,000 individuals they had arrested last year and explain it to them.

● Is the punishment people receive for marijuana offenses justified? Of course not! ●

Moreover, I'd like to see our reaction to them. Could you look those people in the eye and tell them you were too busy five years ago to change the laws that put them in jail? I can't. And do you realize that they went to jail so you wouldn't have to? After all, police do work on quota systems. They don't go out and say "I'm going to bust five pot smokers today," but they do think such things as "I've been warning too many kids lately, it's time I popped one of them." Somebody has to be made an example of, if prohibition is ever going to work, and every time someone else is arrested it means that you and I get to wait awhile longer before it's our turn.

I think we owe these people something. We, the ones who haven't had to go to jail yet, owe those who have our gratitude, our support, our generosity, and most of all we owe them help. We also owe them the sense that their suffering was not in vain, and that it gives us the dedication to fight to change the wrong that imprisoned them.

The first thing **NORML** is doing to help these people is to seek out their stories and to tell those stories to the public. Our next goal is to make sure that marijuana prisoners are neither forgotten or abandoned while they serve their terms, and that they become prepared to voice their grievances to the public. And incidentally, **NORML** is offering

free memberships to prisoners in jail for marijuana offenses who send us copies of their sentencing judgments.

We will also help appeal for justice in the courts.

But we all must do more: we must prevent these arrests from continuing. (And they will continue; in fact, the Reagan Administration even wants to roll back decriminalization.) The most effective way to accomplish this is to educate the public that marijuana users are not criminals or threats to themselves or society. Neither we nor the public should be allowed to ignore the victims of the public's ignorance of marijuana. We have to personalize this issue, we have to talk about individuals, not statistics.

No doubt as we publicize arrests and sentences some of the public will urge stiffer sentences and heartily approve of the injustices for which we seek reform. No matter; in fact, let the public see these people for the callous, spiteful selves they are.

No doubt as we continue we will scare many of our supporters into even greater discretion and away from reform efforts in attempts to reinforce their "straight" image. No matter, for we are looking for real leaders to come forward and join us, people who answer the call of another's misfortune with courage and compassion. The selfish will pretend it's still morning in America even when Reagan finally comes out for legalization.

Arrests are exercises in intimidation. You pay for your offense with your dignity—at least that's part of the idea. In all fairness to the police, they are just doing their jobs. They didn't make the laws, our elected officials did; the police just enforce them. Since criminal behavior is by definition disrespectful of the law, the police by nature must attempt to instill in the subjects in their custody a respect for the law. So no matter what the eventual sentence the prisoner receives, the entire arrest process is designed to start making the prisoner pay for their crime. The process of being arrested is designed to remind you just who is in charge, and that you, the arrestee, are just another piece of scum about to be fed to the criminal justice system.

Is the punishment people receive for marijuana offenses justified? Of course not! But the only way we can convince the public of this is to force them to examine the punishment marijuana prisoners receive.

As long as tens of millions of us use marijuana, some people are going to go to jail. Unless something is done about this it will eventually be your turn, and eventually even mine. I don't know about you, but I don't want to go to jail (which explains why I do the work I do). And I don't want someone else to go to jail in my place. What about you? It's time you wrote me and let me know either how you've been victimized, or that you're willing to help those who have.

If you think, like I did ten years ago, that reform will happen without your involvement, then you are a fool. Join with me and the rest of **NORML's** members, and let the country know that we won't be fooled again. ●

PISSINFO CENTRAL

TIPS FOR PREVENTING FALSE POSITIVES

1. Never give the first urination of the day
2. Drink as much water (or other liquid) as you comfortably can in the days and hours prior to testing
3. Passive inhalation can register positive, but not for long. It's a case of you might be positive the next morning from the night before. A person can be positive in this manner without having experienced a "high." A false positive from this source is significantly more probable at a 20 ng/ml detection level than at the higher 100 ng/ml which is often used.
4. If conditions safely permit, diluting your urine specimen with water helps and labs infrequently test for such dilution.
5. Avoid using over-the-counter drugs when a test date approaches.

The extent to which over-the-counter drugs and prescription drugs will cause a false positive has yet to be fully mapped out and is subject to change as test manufacturers try to lesson the phenomenon, but such interference with the tests is extensive. These substances listed below have produced false positives for marijuana on the EMIT Cannabinoid Urine Assay according to company literature. An equivalent list for the Hoffman-La Roche RIA test would likely not be identical.

ASPIRIN	DIAZEPAM	PHENCYCLIDINE
AMPHETAMINES	MEPERIDINE	PROPOXYPHENE
AMITRIPTYLINE	METHAQUALONE	SECOBARBITAL
BENZOYLECGONINE	MORPHINE	

Source: "Cannabinoid Urine Assay," Syva, 1981.

These drugs too have produced false positives: Antibiotics (cocaine), antihistamines (amphetamines), Contac, and Dristan.

These drugs also interfere with urine tests as detailed:

HOW TO BEAT DRUG TESTS

DISCLAIMER: Current technological realities make it impossible to create a foolproof system to defeat urine drug testing every time and in every circumstance. We at QUESTION AUTHORITY are utilizing every means at our disposal to provide accurate, up-to-date information regarding these tests. Let common sense be your guide when integrating our information with your situation. Study your particular choices in detail realizing that some cannabinoid marijuana screening tests are set to measure 20 ng/ml (nanograms per milliliter, or billionths of a gram per thousandths of a liter), whereas others measure 100 ng/ml.

BRAND NAME	DRUG	TEST FOILED	TIME
VICKS FORMULA 44-M	Dextromethorphan	Immunoassay opiates	1 day
PRIMATENE	Phenobarbital	Immunoassay barbituate, GC/MS	1-3 days
DIADEC DEXATRIM COTYLENOL TRIAMINIC	Phenylpropanolamine	Immunoassay amphetamines	1 day
BENADRYL	Diphenhydramine	Immunoassay Methadone	1-2 days
PRIMATENE BRONKOTABS NYQUIL	Ephedrine	Immunoassay amphetamines	1-2 days
ELAVIL	Amitriptyline	Immunoassay opiates	3-11 days
DEMAROL	Meperidine	Immunoassay opiates	No data
SOMA	Cansoprodol	TLC meprobromate	No data
TOFRANIL	Imipramine	Immunoassay opiates	1-3 days
MIDOL PERMENSIN PRIMATINE-M	Perylamine	Immunoassay opiates	No data

THE DETECTABILITY OF DRUGS IN YOUR SYSTEM DEPENDS ON

1. Metabolic rate
2. Frequency and potency of previous use
3. Fluid intake
4. Type of test used

TIPS FOR ACHIEVING FALSE NEGATIVES

1. Never give the first urination of the day.
2. Drink as much water (or other liquid) as you comfortably can in the days and hours prior to testing
3. Refer to Recorded Message Script for specific drug retention times. Durations given are approximations. Know that individual retention times can vary phenomenally (7-42 hours half-life range, for instance). Try to be conservative in appraising your circumstance.
4. If conditions permit, diluting your urine specimen with water helps. Do not rely upon this alone. Also, available water may be dyed blue or some other color
5. Refer to Recorded Message Script for other options

(619) 976-TEST

Be aware that positive test results have been recorded on an EMIT in the case of a heavy marijuana user for 11 weeks after ceasing to smoke.

Our Recorded Message Script says that we felt salt is not reliable for foiling these screening tests. That salt, ammonia, and vinegar in sufficient quantity all work in this role has been verified by competent expertise. The reservation QUESTION AUTHORITY has about salt is its habit of being noticeable when it doesn't dissolve adequately.

MILITARY

Department of Defense cut-off levels for initial screening:

Marijuana—100 ng/ml (Navy at 75 ng/ml as of October 1, 1986)

Cocaine—300 ng/ml (Navy at 150 ng/ml as of October 1, 1986)

Amphetamines—100 ng/ml

Opiates—300 ng/ml

Barbituates—200 ng/ml

PCP—25 ng/ml

WHY URINE DRUG TESTS GO WRONG

We've already looked at how over-the-counter medications can produce false positives. A Las Vegas lab has indicated that 25% of their specimens test positive for amphetamines during cold and flu season, for example.

Another big reason these tests produce inaccurate results even at better labs is the human factor. Not sanitizing equipment after a positive test run or doing so improperly can result in false positives, as can clerical errors. In the instance of Veterans Administration Wadsworth Medical Center, it was cocaine on the restroom door that contaminated specimens.

Finally, there is the unknown. Test makers are learning by doing. There's a lot about these tests and cross-reactions within the body that nobody understands.

CONCLUSION

At QUESTION AUTHORITY, we appreciate your support and welcome your feedback. If you know something interesting on this topic, please pass it along to us. The Hot-Line will be updated periodically as changing circumstances warrant. You can help us by continuing to utilize our services and telling your friends about our services. QUESTION AUTHORITY is focusing upon the non-drug using mainstream of American society and carrying the message that even people who feel they have nothing to worry about are advised to become test savvy. There are ways to study for a urine drug test, believe it or not. Thank you

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SEX AND DRUGS

continued from page 25

ing on top-shelf insider intelligence. They not only knew the time and site of the party—reportedly called to commemorate the murder in Miami, two days previously, of celebrity boatbuilder Donald Aronow, for selling too many of his humble "cigarette" craft to U.S. Customs—but they also knew precisely what *estupifacientes* would be served there.

"Never rip the stock when you're moving coke, I mean it. You'll wind up with one hip pocket full of coke and the other full of downs. Finally you'll just wind up strung out on downs, and what in the hell is the fun in that?"

So the police waited until dawn outside the Rionegro whorehouse, and then walked in and arrested Carlos Lehder. Somebody there was still straight enough to get his piece out somehow, and got winged in the right shoulder for it. (The *Norteamericano* wire services called this "a bloody firefight.") They loaded Carlos aboard a plane at the nearest airport and shipped him to El Dorado International Airport in beautiful Bogotá de Santa Fe. There he was poured aboard the Drug Enforcement Administration's snazziest twin-engine Aero Commander, which had been warmed up and waiting there especially for him.

As they were approaching

Tampa, one of the three DEA narcs aboard said he saw Carlos finally blink his eyes open and take a bloodshot look around. What do you say to a billionaire drug baron who comes to himself in a fix like that? "Care for a cigarette, Carlos?"

Lehder frowned distastefully. "No." He had his pride. "The only thing I smoke is marijuana."

The Book Of Acts, 1:18

If Carlos withstands the screaming meemies to stand trial as a reasonably sane defendant, it's likely to be a pretty sordid and unsatisfactory affair. Due to the ironclad terms of that much-abominated extradition treaty, he cannot be charged here with any crimes that occurred after Mr. Merkle's indictment in the Middle District of Florida, which was handed down in September 1981. Since the charges involve a ton and a half of cocaine, a conviction should reasonably earn Carlos around 40 years in federal prison, which is likely to satisfy the most revengeful seekers after justice. But seekers of the Truth will be eternally frustrated.

In November last year, Miami federal prosecutors unsealed—with tremendous public fanfare—a beautiful in-

dictment that charged Carlos Lehder Rivas with numerous counts of narcotics conspiracy and multiple homicide. It enumerated a series of monstrously overt acts that were allegedly committed as recently as the summer of 1986, when the Miami grand jury sealed it. This beautiful indictment, over which Attorney General Edwin Meese III himself lavished endless prideful publicity when it was released in the Southern District of Florida, was based largely on the testimony of DEA informant Barry Seal—who was served up to the assassins of the Medellín Cartel in February 1986 by Federal District Court Judge Frank Palozolo of Baton Rouge, in a famous story that **HIGH TIMES** has published about six times now, if you've been reading along.

This beautiful indictment is dead. Nothing that the deceased Barry Seal told the feds about the Medellín Cartel can be used against Carlos Lehder in any forthcoming trial. When the government of Colombia consented to extradite this cocaine kingpin to Uncle Sam, they got to pick the indictment under which he would be tried here. Among the grounds on which Mr. Merkle's indictment was selected are these: 1) since alleged criminal activities occurred well over six years ago, Lehder's public defender can unemotionally argue that

the statutes of limitations elapsed forever just a few months before his arrest, and 2) since President Reagan didn't appoint very many federal judges, DEA chiefs, customs commissioners, and secretaries of the Justice Department until after September 1981, the question of how many of them have been corrupted since then by Carlos Lehder's dope money will be largely irrelevant to the proceedings.

In this great tide of his calamities, it can be expected that Carlos Lehder will finally be visited by Jesus in his prison cell, and be made whole at last. If it could happen to Benvenuto Cellini, Chuck Colson, and Eldridge Cleaver under similar circumstances, it can happen to Carlos Lehder Rivas too. And the community of Christendom will be enlarged by his redemption.

You just have to wonder why it didn't happen two years ago, when Lehder, Escobar, and Jorge Ochoa were all living openly in Panama, and bitching a blue streak about it in the international media. Panama has had an extradition treaty with Los Estados Unidos since the 1930s, and it's infinitely more ironclad than the tissue of asswipe we negotiated with the Colombians in 1985. But no one in the United States except **HIGH TIMES** ever suggested rolling all these fugitives up when we had them in our hand. ●

REAGANOPOLIS

MATTHEW FINCH

It was morning in Hawaii, and the Marcoses were making a comeback.

Will you be paying for this coup with cash or plastic?

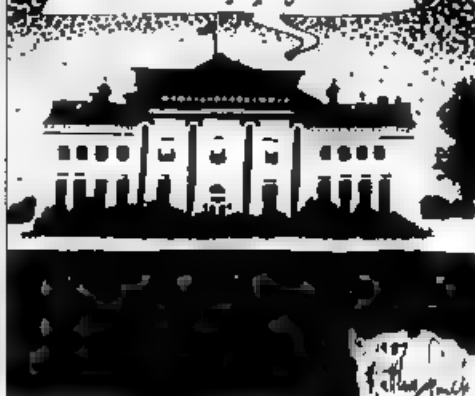
Cash? What do you think I am, a peasant?

I will not become known as the Bob Uecker of international politics!

Get me an airplane and a Diners Club card!

Meanwhile, at the Crack House...

Nancy, it's time I swung back into action—Where are my pajamas?



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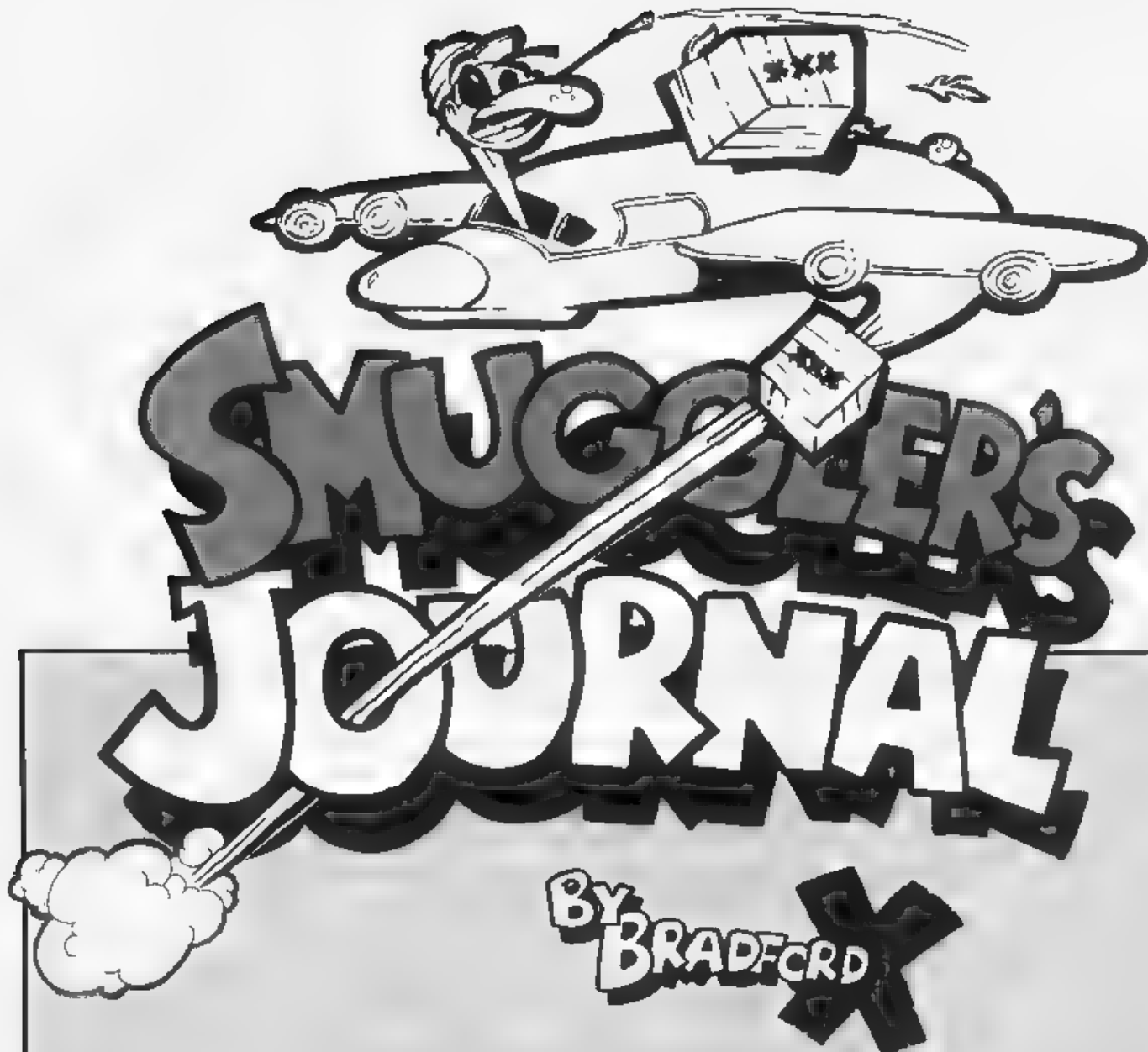
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ZIP _____





ILLUSTRATIONS BY MILTON KNIGHT

Born beneath the final approach to New York City's LaGuardia Airport, Bradford X had seen and heard airplanes from his earliest awareness. Upon receiving his pilot and mechanic licenses, he tried to find a decent-paying job, but discovered the most profitable work available to him involved smuggling drugs out of Colombia. He teamed up with a pilot named Ozzie; their first mission proved a miserable failure (see *HIGH TIMES*, Sept. '86). Although their next trip was a financial success, Brad and Ozzie were later arrested while attempting to land a pot-filled DC-3 at a small Florida airport.

After our arrest, Ozzie and I had to raise money fast for bail and legal fees. Through our boss we obtained another DC-3, complete with long-range fuel tanks, doors for parachute jumpers, and windows for sharpshooters.

Battleship gray and battle-scarred, this Dakota looked like she'd been through more than one war. The weather report was not favorable, but we had to fly to stay out of jail.

Fortunately, there were some differences from our last mission; for one, the cargo was going to be

air-dropped. During a preflight run, I practiced bombardier accuracy with watermelons, tossing them out over the Georgia countryside.

Just before takeoff I discovered someone else was joining us. His name was Bob, a large, portly man,

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weighing at least 200 pounds. Bob's primary function was to count the bales, making sure the number loaded was the same number dropped. Bob's secondary function was to help wrap the bales in high-tensile-strength tape to prevent them from bursting on impact.

We departed at 10 PM, carrying coffee and sandwiches. The flight was not very comfortable: we hit plenty of summer air pockets and got pretty shook up. Around 2 AM we intercepted the 171 Omni from Port-au-Prince. Three hours later, we spied first light along with the green mountains of Colombia. Another hour's flying and we were over our destination, a place called Rio Frio.

Hacked by hand out of a banana plantation, the "airport" was narrow and treacherous looking. Even worse, the runway took a strange, obtuse turn halfway down the strip. Although Ozzie negotiated this turn without incident, I had to wonder what takeoff was going to be like.

After we rolled to a stop, several well-armed workers began refueling and loading 6,000 pounds of cargo. It was to be the biggest load I'd ever carried. Some quick calculations revealed we were way over gross on a hot day. And of course, Bob's presence didn't help either. I informed Ozzie of the situation, but he just grinned.

On command of maximum power, the engines rattled, shook, and blew banana leaves with hurricane force as the overweight Dakota painfully inched forward. We started to roll and finally got a reading on the air-speed indicator. At 25 knots, the overweight tail lifted. Our shock struts bottomed out on the first bump. At 35 knots (with engine temperatures approaching the danger zone), I sensed some slight acceleration. Ozzie pivoted the ship around the obtuse angle. At the command of gear up, we remained in ground effect for more airspeed. Then the screaming banshee lifted up and away.

**"I was stripped,
searched, and
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Flying conditions had not improved: we faced high winds and overcast skies. Bob and I wrapped the bales. Physical labor did not appeal to me, and at high altitude the concept was positively disgusting. Bob and I were quickly reduced to a pair of gasping zombies.

Seven hours later, we arrived over a tomato field in central Florida. Two low passes and the cargo was discharged. In the climb towards Tampa everything was thrown out: charts, leftover tape, scraps of paper, every seed of pot.

We met our boss that evening at the local Hilton. "Try and get some sleep while the plane is refueled," he said. "You're going back for another load tonight."



Before I knew it, I was back in the black night, intercepting the 171 out of Port-Au-Prince. The crosswinds and overcast skies over the "pond" had not diminished. Exhaustion made the flight controls heavy. The engines screamed even louder. However, smugglers' perseverance and a desire to remain out of jail gave us the strength to continue, even though our minds were drifting. I looked at the water below and fantasized seeing a shark looking up at me and licking his chops. He was waiting for one of those engines to stop. I had to slap myself back into reality.

The air at Rio Frio was hot and heavy. The second cargo was loaded with all the dispatch of the first. Ozzie and I recognized our weakened condition and compensated with extra care. The litany of the checklist was spoken



MILTON KNIGHT

softly, meticulously. The obtuse angle of the runway proved no problem as Ozzie commanded max power.

Ozzie wrapped the bales. Seven hours later we threw them on the tomato field and headed for the Tampa Hilton for a night's sleep.

That morning the boss gave me a shopping bag filled with inch-thick, brick-like bundles of tens and twenties secured with rubber bands: \$25,000 in all. Finally, my own shopping bag filled with the light-green, engraved pictures of Hamilton and Jackson! A most supreme moment. Money is a narcotic that gives the finest of highs. It's better than being in love. You walk around, but your feet don't touch the ground. It wasn't important that most of the money was owed to creditors. I was on the right track.

"Next trip you work the ground," says the boss. "Report to Number One."

Number One" is the organizer of ground operations. His job is lighting the drop zone, communicating with the airplane to learn how many bales are coming out, and loading the bales into trucks. This is easy if the bombardier is accurate. If not, then ground operations can turn messy and chaotic: whatever it takes, up to and including murder. We used a crew of four and my job was to keep them honest.

We met at a farmhouse in the Everglades. The young cowboys were excited over their third consecutive air drop. Marker lights and two-way radios were loaded into the trucks. The tomato field was located only a short drive away.

The lights were strung out on the ground and tested. The biggest worry was that some game warden or a local dogooder would accidentally discover us. With radios set to a discreet frequency, we waited for the Dakota's return. Four hours

later, our radio crackled: "Cessna 69 Golf approaching, come in Miami Center."

"Cessna 69 Golf, what is your airspeed?"

"Airspeed is 109 knots. Bales coming out. Light the drop zone, here they come."

The bales rained down with thundering violence. Two passes and then all was quiet. Fortunately, the bombardier's accuracy was pinpoint and the bales were gathered, loaded, and taken to a farmhouse to await the buyer.

"You have another flight tonight," said Number One. "Go home and get some sleep."

That evening Ozzie and I boarded the plane alone. Never mind the ground crew, we were supposed to land and unload the plane ourselves. Less hands in the pie.

"This is your last flight of the season," said the Boss. "You'll make enough to retire until Christmas."

The south Atlantic was a twisted mass of sawtooth cones and foaming spray.

We were on instrument flight rules without a flight plan, guided only by a wet compass and gyroscope. My main worry was that another smuggler would be flying low over Haiti that night. Ozzie had a mean, determined look as he manhandled the Dakota warbird through the black night.

"Look out, Mr. Shark, here I come."

Returning to Colombia was usually an uplifting experience. This time, however, it was raining and I was a little scared. All we had to do was fly out of this mud puddle with 6,000 pounds and go home. But that obtuse angle in the runway was more treacherous than ever. At least I didn't have to wrap the cargo.

It was long before dawn when we reached the coast of Florida. Ozzie steered into the blackness of the Everglades. We landed on a tiny strip illuminated by flashlights stuck in the ground and rapidly unloaded the cargo into a waiting truck.

Next day we learned the truck driver stole the pot and disappeared with his entire family. Wow! The theft threw a financial monkey wrench into all my plans. No money for nothing. The hurricane season was upon us and the Caribbean was impassable. I was forced to get a job as a mechanic in order to keep body and soul together.

What was I doing wrong? I was flying well, engines under my control were performing beautifully, my navigation was precise, and all my cargoes were over gross. And I was still broke.

* * *

The bad news was that Ozzie and I were sentenced to fifteen years in prison and a \$10,000 fine. Miraculously, the judge allowed the bond to continue; we were to be notified when to return to begin serving sentence. There was more good news: I passed my inspector exam. It was a pleasure to know I could have a nice salary every week just for signing my name.

But my thoughts were in limbo on what to do next. I remembered some advice from a New York City policeman on committing a crime. "It is best to do it alone," he said. "The successful ones work alone." My thoughts turned to single-engine airplanes and small loads. I knew for an absolute fact that nobody connected single-engine aircraft with the wide expanse of the Caribbean.

I spoke with an operator at Opalocka Airport and he agreed with me: over the skies of the United States or Colombia, no one is concerned with single-engine airplanes. A single-engine plane is considered a toy. Many passengers will not fly in one. No one in Florida connects the single-engine with smuggling. My idea was great, but the operator had trouble finding a suitable plane. He made a deal for a flight in February. This

time I would land in Debulla and pick up a much smaller cargo.

A beautiful Cessna 182 was supposed to be ready for the trip, but on the morning of takeoff, the seats had not even been removed and the extra gas tank had not been installed. I flew into central Florida, picked up a 35-gallon flexible fuel tank, and positioned it on the floor of the cabin. After topping off the tanks, I headed south.

Once again, it was up and over the lonely seas. This time, however, the word "lonely" had a deeper meaning. The Bahama Chain looked different without Ozzie at my side. I was captain and navigator, and the crosswinds were causing me trouble. Nothing serious, just the usual weather for this time of year. I knew I was running late, so I made a deal with myself: if I didn't cross the south coast of Haiti before 3 PM, I would turn back.

Coincidentally, I crossed Haiti at exactly 3 PM. A voice inside me said, "Come on, give it a shot." I was a man possessed. One way or another, my fate was sealed.

I stayed busy for the rest of the flight, charting my position and the position of surface craft below me. The problem became one of not having anyone to talk to. I sang, I shouted. I felt like Charles Lindburgh, alone and at one with the universe. Finally, I spotted lights and the coast of Colombia. Lights! It was getting dark. I had to find my runway before it got too dark. But I didn't worry. I was almost close enough to swim.

By the time I flew over the coast, it was pitch dark. I looked for an airport beacon light, but all I could see were house lights and a coastal highway bracketed by black jungle.

Suddenly, however, I saw the blinking lights of a car being driven in circles along the beach. I saw people signalling me. I'd made it! Crowds were running toward me waving their arms. There was no way I could get them off the landing

area, so I made a short-as-possible approach. The last thing I wanted to do was kill somebody with my prop. I prepared to stop the prop on the point of touchdown. The landing was going fine until I hit a bump and the cabin lights went out. I opened the door and sea water rushed in. I'd hit a sandbar, beat the prop, and bought the beach.

The natives ran toward me and helped while I pulled the airplane up on the sand. I expected to see smiles on friendly faces, but everyone had a mean, angry look. They were looking for something.

"Come quickly and leave everything in the airplane," shouted an unseen voice.

"Why?" I asked innocently. "Haven't you been expecting me?"

The hostile crowd began searching the airplane's glove compartment, baggage compartment, and then me.

"Come quickly," repeated the voice. "These people will kill you!"

"Isn't this Debulla?" I asked, leaving the wrecked ship behind.

"No, this is not Debulla."

Fearfully, I ran off with the stranger and jumped into an awaiting jeep. "You signalled me to land," I said in a demanding voice. "What's the matter?"

"These people go every night to the beach and signal any low-flying aircraft," I was told. "You would be surprised at how many land and sometimes have large sums of money aboard." I listened in a state of shock. "If the pilot tries to take a package out of the plane, he is killed. You're lucky you had no money and no guns. Who are you and where are you from?"

"My name is Bradford," I said. "I'm from Miami."

The stranger looked amazed. "You flew that little thing from Miami?"

"Yes," I answered. "Nonstop."

He laughed.

I must pause here and discuss the anatomy of a blunder. Not an error, but an error compounded several

times. During my second trip to Colombia in a Beech-1B (that night with all the mosquitoes), my host, Senor Mauricio, gave me a geography lesson. He pointed to the lights of Rio Hacha and then showed me the lights of the adjacent town and said, "That's Debulla." Senor Mauricio was wrong. The morning before I left Miami, my American operator gave me a hand-drawn map of the Colombian coastline with Rio Hacha and Debulla shown side by side. The same error was compounded because between these two towns is a hamlet called Camaroni. This town is on the official charts, which would lead to a third blunder.

I believed both sources. I did not check the facts. And so, on the darkening evening when I said to myself, "I could swim that far," I headed straight for the wrong

* * *

My padrone was the mayor of Camaroni. He lived in a modest brick structure with large, high-ceilinged rooms and a comfortable patio. The house was surrounded by a seven-foot stone wall. A delicious pot of hot coffee and a plate of fried bananas appeared. I exchanged pleasantries with the family in broken Spanish. Everyone was surprised to hear I had flown a little airplane all the way from Miami.

Fortunately, my host knew my contact in Debulla, the next town west. He promised to contact my friend. I calmed down and began to relax.

That night, I bedded down in a room with my host's teenage son. I thought about my wife and three-legged cat far away. I remembered telling my wife, "I'll be back tomorrow." Somehow I felt the night would be longer still.

During the night, I was violently awakened from a deep sleep by a pair of Colombian soldiers. The house was filled with soldiers and automatic weapons. I was placed under arrest for violating Colombian airspace. My host apologized for the lack of security, explaining that someone in the neighborhood had informed on me.

I was stripped, searched, and questioned about guns. The interrogation got increasingly violent in tone.

"Where's your money?" they shouted. "It's impossible to fly that far in a single-engine airplane."

I was handcuffed, placed in a truck, and taken back to the beach. My beautiful Cessna had been chopped into little pieces: the windows were smashed, the seats ripped apart, and there were gaping holes in the wings, tail, and

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"There was more good news: I passed my inspector exam. Now I could get a salary just for signing my name."



MILTON KNIGHT

JEFF HAD AN ENVIABLE PROBLEM.

"The last time I looked in my closet I scared myself. I used to grow a few scraggly plants off and on. Then I sent away for some super hybrid seeds. It got to be a hassle trying to keep the plants two inches from four different tubes, so I replaced my fluorescents with a halide. Then I figured what the hell—might as well give hydroponics a shot."

Using the latest growing equipment, Jeff inadvertently became a demon indoor grower sooner than he had expected: he had more thriving plants than he had space for. Adding to his "woes," he had two close friends who assured him that they could "take as much off his hands" as he could possibly grow. He wouldn't have to deal. He could very easily go professional—something he told himself he wouldn't do.

"Just look at this!" Jeff said.

His closet, approximately six by eight feet, was overflowing with five of the bushiest, healthiest, happiest plants I had ever seen. There wasn't a single brown spot or brown tip anywhere.

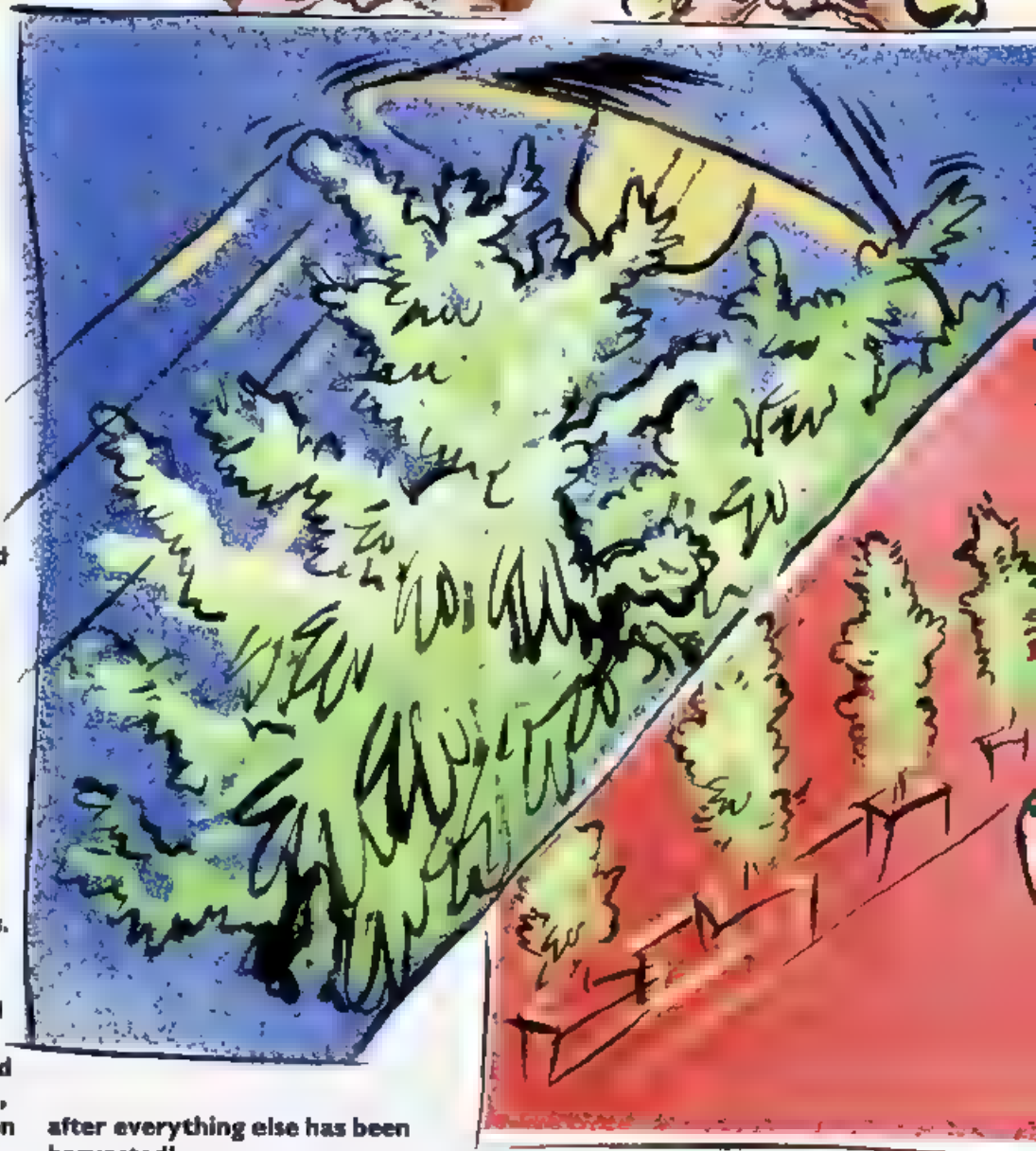
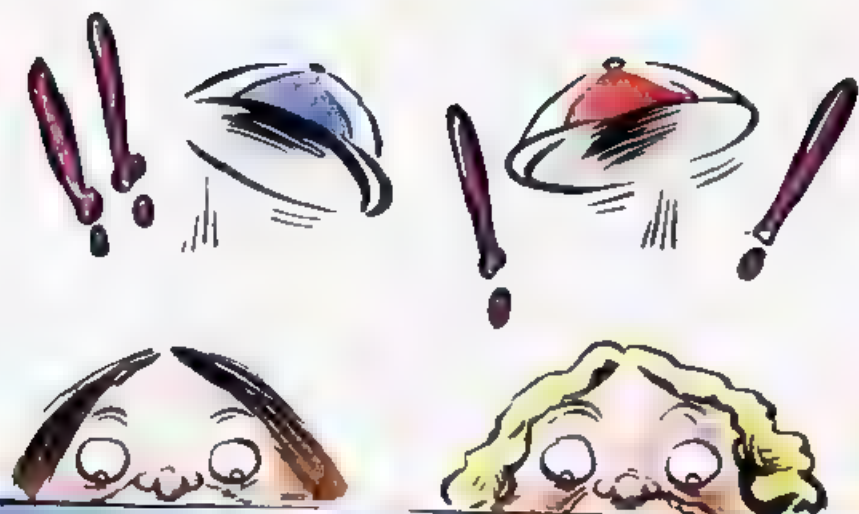
He had just used his "leftover" fluorescents to clone for sex, leaving the plants to grow and grow and.... "Thank God three were male, and I pulled two punies. I should use the Sea of Green method—flower smaller clones—but I don't have any more closets. I don't have room to both flower and maintain the mothers. It would be a shame to destroy these plants, especially this Thai someone laid on me. It's a female—not hermaphrodite. I can't flower and destroy it! A nonhermaphrodite female Thai, for Chrissake! How often do those come around? Besides, the fuckin' buds will run forever. I can't just keep flowering one plant for three or four months

after everything else has been harvested!

The most practical, economical answer was obvious. He needed a separate 12-hour HPS flowering chamber. Running it simultaneously with his 18-hour MH room, he could maintain the mothers and clones in one room,

while perpetually flowering in the other. But.... "No space. Very suspicious electric bills. Too many plants on hand."

He had a dilemma, until he came up with the Buddy System.



THE BUDDY SYSTEM

BY KYLE ROQ



ILLUSTRATION BY FLICK FORD

● When two growers are better than one ●

Five months later I visited him. He laid out four lids of different varieties for a smoke. I also noticed a brand new stereo/video system and some other costly improvements.

"Started a second chamber?" I said, smiling.

"Nope," he said "Better. Let me show you something." He led me to "The Closet." Four coiffured mothers encircled ten daughters, rooted and beginning to bush out. Outside the halide's bright area were two plastic "hothouse" cloning chambers, full of rooting daughters.

"Great," I said, impressed. "Where do you flower them?"

"That's the best part. I don't." He explained the Buddy System.

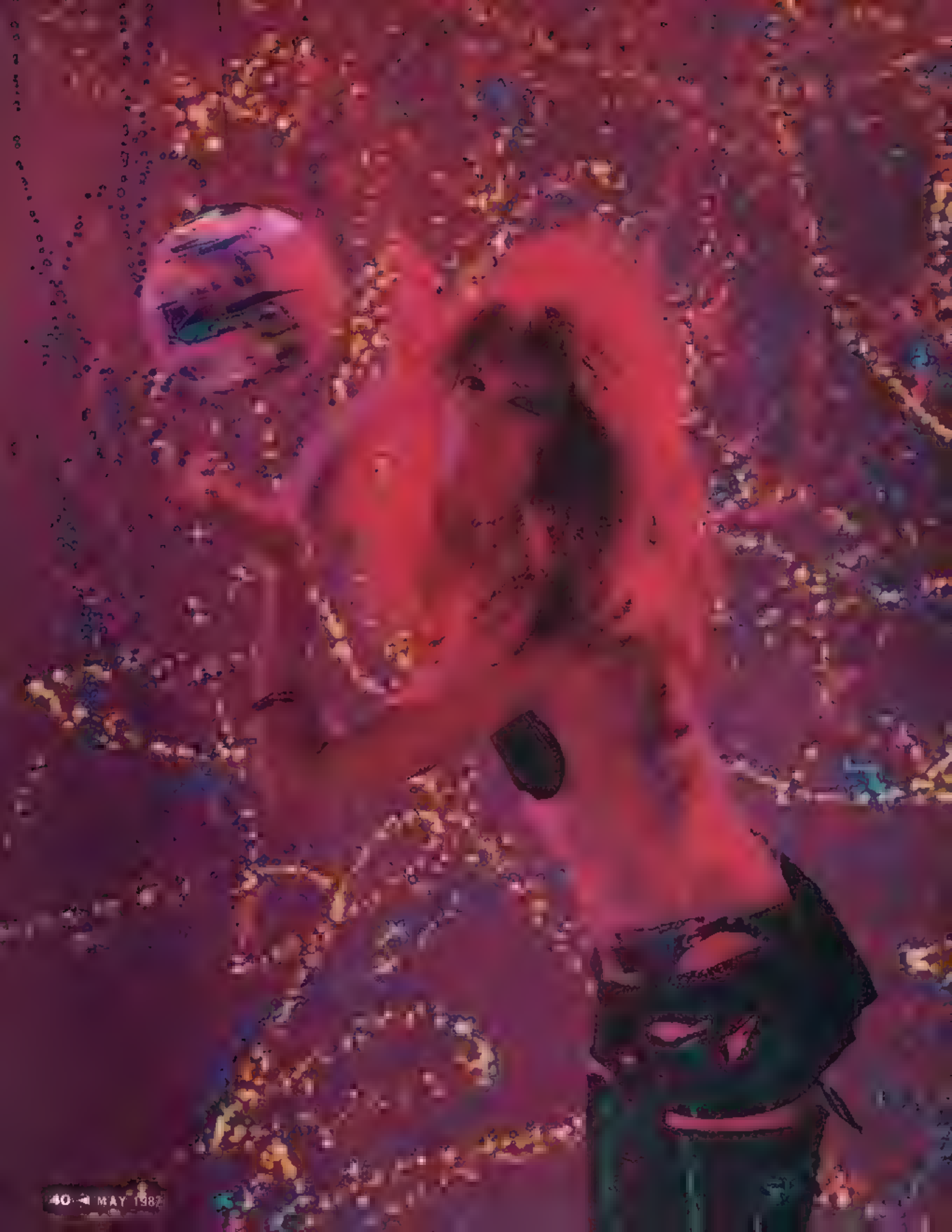
"It's simple. I maintain the mothers, clones, and vegetate. I turn the clones over to my buddy, who flowers them. This limits the amount of plants in our apartments—as well as the space and electricity needed. We split the proceeds fifty-fifty."

"I vegetate. He flowers. It's perfect. Different plants are maturing and being replaced constantly. Something like Higher Yield's system, where the plants are individually contained in plastic drinking glasses, makes the transfer a snap. A lot of grass passes through, but it's gone as soon as it's harvested. At any one time, I doubt if we have more than a few ounces on hand—with constant turn-over and up-to-date techniques, almost one-half pound a month is realistic—with only one 400 HPS and one 400 MH. Not bad, huh?"

"And here's the best part." His grin took up the whole room as he held up a baggie marked *THAI*.

"Best there is. The buds run forever, but with one chamber just to flower, it doesn't hold anything up. It can flower as long as it wants."

"And this Thai is not for sale," he said before taking a draw, smiling, as he slipped on his new stereo headphones.



PSYCHEDELIC MECCA

LA IN THE 80'S

BY GREG SHAW

Since about 1982, neo-psychedelic music has been one of the strongest underground trends in American music, and its creative home has been Los Angeles. The city currently boasts more than 30 active bands whose recordings are avidly sought by fans around the globe, and at least that many newer bands are working their way up the club circuit.

Until recently, the CAVERN CLUB on Hollywood Boulevard was a prime showcase for '60s music, a supportive home for the growing cult scene and a showcase for more than 100 new bands with an authentic approach to the music of the Golden Decade. I opened the CAVERN following the demise of the RAVE-UP, where a handful of garage and psych bands had been emerging from the acid scene since 1983. The Mods are a sizable contingent in Southern California; for the most part a very conservative—if not reactionary—society, a few of them had developed an interest in borderline Mod psych bands of the '60s, like CREATION and THE SMOKE, and from there went on to discover THE CHOCOLATE WATCHBAND, SEEDS, THE STANDells, and the plethora of reissues of so-called "garage" music which had been appearing on the market since 1979.

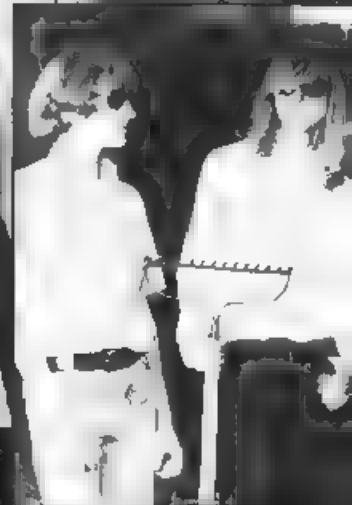
PHOTOGRAPHY BY RANDALL MICHELSON
MODEL: DONNA LUPIE

There was already a substantial garage revival scene taking shape by this time, as documented on the 1981 album **BATTLE OF THE GARAGES**. Bands like **THE SPSTERFIELD KINGS**, **PLAX Y**, **THE KUNKEL BOYS**, and **PLASTIC ANO** pioneered the style in various parts of the country, while L.A. had been in the forefront with **THE UNCLAIMED**, **THE SHAWDADJYS**, and **THE 31 CLUB**. When this scene met up with the youthful energy of the Mods, weekly happenings at the **RAVE-UP** and the **CAVERN** were the result.

The variety of bands in 1984 made a good basis for expanding the scene. On the garage side, in addition to those mentioned, were **THE TELL-TALE HEARTS**, **THREE FOUR GIVEN**, **THE UNTOLD FABLES**, **THE PANDONAS**, and **THE MORLOCKS** to name the best. Among the Mods who were evolving into British art-punk **PSYCHEDELIA** were **PHILIP THE LICKING BLARK**, **2121 WALK SOCIETY**, **THE NEPHEWS**, **THE TORIES**, **WALLS & BRIDGES** and **THE THINGS**. Very few bands could honestly be called "PSYCHEDELIC," but among them **THE THINGS**, **88-20**, and **THE STEPPES** were doing very adventurous work, as their subsequent albums show.

As time went by, the **CAVERN** received enormous amounts of publicity, both local and national, and soon bands from all over the country (and several from overseas) were including the club on their itineraries. Reports of the swinging scene turned up in fanzines from Italy, Spain, Germany, Sweden, and France. And a patently strange it was every Saturday night, as hundreds of teens showed up, decked out in wild '40s clothes of every description, spilling into the streets around the club, causing tourists to wonder what decade they'd stumbled onto.

Besides the bands mentioned, I soon discovered that there was a wide and growing trend among L.A.'s new wave, progressive, and art bands to identify themselves with **PSYCHEDELIC** music. I received dozens of tapes from such bands, and although it was clear that few had ever listened to much hardcore **PSYCHEDELIA**, they were using special effects, a "dreamy" mood, and tinges of **THE DOORS** or **HENDRIX** to simulate the mood. This, in turn, appealed to many of the "death-rock" audience, who normally cared only for British bands like **SISTERS OF MERCY** or **SIOUXSIE AND THE BANSHEES**. Then again, a number of bands best described as hardcore punks, notably **BLACK FLAG**,



HEATHER HARRIS

THE ANGRY SAMOANS, and **THE DEAD KENNEDYS**, had an interest in psych music, and the **CAVERN** hosted one memorable show in which members of the **BLACK FLAG** commune jammed for several hours, getting into some very spacey territory.

But such events were the exception, as were bands with '80s haircuts and tie-dye shirts. The **CAVERN-BOERS** were strict purists, and there was no shortage of pure '40s music to offer them. In the end, the purity of the club proved its undoing as the novelty eventually wore off, and so I closed the **CAVERN**. L.A. was then left with a population of young musicians who had been exposed to the full range of '40s influences. Many of them have continued to evolve, outgrowing their roots and doing original music of great value.

The impact of the **CAVERN CLUB** generation has yet to be felt. Most of the bands have made a record or two,

but only on hard-to-find independent labels. Meanwhile, Los Angeles is still famous for its 1980-82 crop of "PAISLEY UNDERGROUND" bands. In their time, these groups were the most exciting thing around, but as they got signed to major label deals, bands like **THE CANDLES**, **THE TURTLE DOLPHIN**, **THE LONG FIVEFIVE**, **DREAM HYPODATE**, **GREEN IN RED**, and **RAIN PARADE** dissociated themselves from the '40s music influences they started out with and tried to give their records a more contemporary sound. Many people still come here from Europe hoping to find these bands sounding like the groovy '40s revivalists they once were, but of course it's been years since any of them played in the local clubs, and they are rarely seen here anymore.

The neo-psych scene has evolved so constantly over the years that it would be excruciating to document all its permutations. Currently, the local



DIANNE CARTER

CLOCKWISE: THE FOURGIVEN; SKY SAXON WITH LEE JOSEPH OF YARD TRAUMA; HOLY SISTERS OF THE GAGA DADA; THE PANDORAS; THE TELL TALE HEARTS; SS-20.

audience has turned its interest to glam bands reviving the era of CHEAP TRICK and AEROSMITH, or the death-rock scene, or funky dance bands like THE RED HOT CHILI PEPPERS. However, the shallowness of these trends has not kept them from developing aspects that can only be called trippy.

At underground clubs like Power Fools, Plastic Passion, The Screen, and The Dirt Box, people dance to funk and gloom music in vast ballrooms to the accompaniment of light shows covering all four walls and ceiling. These combined opaque projections, slides and films, and on occasion, girls in GAY-BLO costumes dancing in cages suspended from the ceiling. Meanwhile, records played at deafening volume on today's advanced sound systems provide further sensory overload. A lot of it sounds good, especially the more experimental gloom bands like THE MISSION and THE

SISTERHOOD. JESUS & MARY CHAIN, and, of course, frequent doses of HENRIK, ZEPPELIN, and other old classics. In short, a powerful impulse toward a mind-bending distortion of the senses can be found in the trendiest clubs where the largest audiences congregate. Since it may be, but it's as close in flavor to the Avalon Ballroom as to Studio 54.

In Los Angeles, perhaps more than elsewhere, everything is fashion. Although as I explained to interviewers that THE CAVERN was evidence of a musical and cultural rebirth of an underground youth movement, every story on the club focused on fashion. My reluctant conclusion, borne out by daily observation, is that many people today care more for clothes than for ideas. The idea of a culture promoting spiritual growth is an antiquated notion.

Small wonder, then, that the

message of PSYCHEDELIC MUSIC has fallen on deaf ears. Its influence has been to instill a brief fashion for weird sound effects on certain records by avant-garde groups and a taste for light shows at the disco. A lot of these people are taking acid, but as I also found out, they may get wasted but they don't "see" anything—they certainly don't learn anything from it.

But appearances can be deceiving. There is an underground movement taking shape, comprised mostly of kids still in high school. You won't find them at the trendy dance clubs, but you can see them walking the streets with their shaggy hair, unfashionably hip clothes (guys in corduroy vests and suede boots; girls with peace-sign earrings and no bras), and an intriguing aura of not giving a damn that they don't fit in with the manic new wave gliding of their peers.

PSYCHEDELIA and the values of the '60s are so diametrically out of step with current society that this very polarization seems to be attracting a lot of dissatisfied people to a new underground. These were the kids who came to the CAVERN, but for every one who came there were many out there who listened to '60s music, felt at home with the spirit behind it, and reject today's materialism out of hand without having yet discovered that there are others like themselves. As it did in the '60s, I think rock music will bring these young rebels together yet.

Thus I believe that the bands of the late CAVERN CLUB scene and their equivalents around the world are the socially mutating agents we need. Not all the bands are PSYCHEDELIC in musical terms, but they are bringing converts by the thousands into an organized, heavily networked international movement of young people dedicated to the '60s. What began in L.A. has since spread to Europe, where scores of garage and psych bands are growing daily in influence (check recent compilations like BATTLE OF THE GARAGES VOL. 4, DECLARATION OF FUZZ, and SOUNDS OF NOW). These bands still look to L.A. for their inspiration, and despite their lack of local support, the bands here have a worldwide following through their records. This will only grow and I expect many of these groups to start touring Europe soon.

The recorded sale of L.A. NEO-PSYCH music is more than familiar to me; besides sponsoring the CAVERN CLUB, I am a producer of records for my own

PSYCHEDELIC MECCA

L.A.'S THE '60S

VOXX label and have specialized in this music for the past six years. Thus, while I would not entirely credit my remarks in favor of my own bands, it would be impossible to exclude them all from a San Diego list, and you must excuse a little justifiable pride on my part in some of the music I've helped put on record.

Here, then, is my selection of the best neo-'60s bands in Southern California. For the sake of readers new to this scene, I've made a rough and rather arbitrary division between bands with a PSYCHEDELIC leaning and those who play straight-ahead GARAGE MUSIC, although the two styles are not really separate and those who like one usually like the other too. Following the list of bands is a selected discography.

MUSIC FOR CAVE PEOPLE: THE GARAGE BANDS OF L.A.

THE BEGUILLED

● A raving teenage beat band, heavily soaked in Them, Downliners Sect, early Stones, and Pretty Things, they put on a tight, exhilarating show and can be heard on the recent SOUNDS OF NOW album.

THE DROOGS

● Although they seldom play here, The Droogs are known in Europe for their raw, French-inflected garage pop, and they have several albums out. Together since 1973, they're the oldest veterans of the '60s revival.

THE FUZZTONES

● Toward the end of 1986, leader Rudi Protrudi relocated from New York and formed a new Fuzztones here. With a new skunk out and a European four lined up, the band is off to a good start. They should prove popular in live clubs with their raw, aggressive style.

THE LEOPARDS

● In mid-1985, local radio started playing a song called "Psychedelic Boy." It was a brilliant, Kinks-type satire of people who live in a '60s fashion fantasy, and marked the return of a band that had been around since 1978 without getting anywhere. Now they're one of L.A.'s more popular clubs bands and their home on local radio is about to come and live. They're a classic rock 'n' roll group with a Kinks flavor but a personal style all their own.

MANUAL SCAN

● This San Diego band is popular with the Mods but their music also appeals to garage fans and is popular in England where their debut LP was released. They write original songs in the best tradition of '60s mod-psych bands like The Small Faces.

THE MARSUPIALS

● Around 1980, The Marsupials were part of the original Paisley Underground, but they broke up in '82 before recording anything. In 1985 they got back together again, and treated Californian audiences to some of the wildest shows ever seen, doing parodies of '60s and '70s songs, wearing elaborate costumes, and pulling new stunts at every show. Their first LP should be out soon.

THE MIRACLE WORKERS

● Originating from Fremont, Oregon, The Miracle Workers recorded a great album and then disappointed fans across the country when they pulled out of a tour that had been set up for them. They changed members, moved to L.A., wrote a very loose new bookend up; some of them have joined the new Fuzztones.

THE MORLOCKS

● This band was formed from the ruins of The Gravedigger V, and after spending a year in San Francisco where they became quite popular, sadly broke up. Despite a poorly-recorded LP, they were one of the best live bands in the country, with a raw, deep, menacing energy reminiscent of vintage '70 Steppen. Singer Lighten is one-of-a-kind, a true garage god, and with luck we'll see them back together some day. A live album is seen to be released.

THE PANDORAS

● What name need be said about these four honeys? Their second album is probably the best-selling garage record of the '80s, and they've brought much needed attention to the scene. They keep getting better and wilder, and their goofy personalities brighten a lot of clubs and parties. The recent move to Elektra should guarantee them wider success.

REDD KROSS

● Until the Cavern Club, Redd Kross couldn't really be considered a garage band. With a wide following among the punks and glam-rockers, they have now been getting more psychedelic, with the addition of Roy McDonald (ex-Thing) as driver, entering the realm of early Led Zeppelin.

THE TELL-TALE HEARTS

● This San Diego band recreates the look, sound, and spirit of the South R&B. What? Yes, they learned the blues from old records of Dutch bands, and you've got to hear it to believe how intensely powerful it is. As good now as the Pretty Things were at their best, the Hearts have the authentic goods. Their albums have created a new demand for reissues of old Dutch groups.

TEN TONS OF LIES

● Two guys and two girls make up this lovable foursome who play garage music with a folk-rock flavor and write original songs full of humor and optimism. They put on a great show, especially guitarist Ted who is master of the Vox, and the girls are always fun to watch with their wild wigs. They have one 45 out.

THE UNCLAIMED

● These veterans still wear black and play the Canal Five sound, and for authentic '66 fuzz you won't find anyone more accurate. They are a tribute to one aspect of '60s music and they do it well, in an occasionally. Around since the late '70s, they were pioneers of the current scene.

THE UNTOLD FABLES

● Among the drunken party bands of all time, these lads must surely rate. Their deranged renditions of some of the wildest R&B and punk obscurities of the '60s are a wonder not to be missed, and their album captures it well.



PSYCHEDELIC MECCA L.A. IN THE 80'S

MUSIC FOR THE MIND: THE NEO-PSYCH BANDS

ELECTRIC PEACE

● With an album out on Enigma and several 45s and EPs, this band has been active since '82, doing a kind of San Francisco psych reminiscent of Blue Cheer, Iron Butterfly, and Mountain. They wear paisley Nehruws and love beads. Lately their sound has taken on a Steppenwolf/biker style with the addition of a B-3 organ.

EXOBIOGA

● A new band from Orange County, they combine '60s psych with Velvet Underground influences and modern pop production for a sound with more commercial potential than most.

THEE FOURGIVEN

● Until 1983 these guys were 3/4 of The Unclaimed. When they wanted to get a lot wilder and less academic than leader Shelley Ganz preferred, a new group was formed, with guitarist Rich Coffee emerging as leader. Coffee is one of L.A.'s best guitarists, and a fantastic showman. He runs through the audience, spins on the floor, and generally goes nuts while playing mind-blowing leads. With his Alice Cooper makeup he looks like a real demon of rock & roll. The band has absorbed as much Cramps and old horror movies as they have '60s punk for a fascinating blend.

YARD TRAUMA

● One of the country's best groups, transplanted from Tucson, Arizona, they've been out of action for a year for lack of a drummer, but we haven't heard the last of 'em. Singer Joe Bodge is one of the best, with great lyrics and a real feel for psych pop (check out "Must've Been Something I Took Last Night"), while bassist Lee Joseph writes and plays great '66 garage punk. The combination is powerful and exciting. Get their two albums immediately.



THE HOLY SISTERS OF THE GAGA DADA

● An all-girl band, but make no mistake, they're nothing like The Pandoras. Their influences are partly psychedelic, including The Mad Violets and The Great Society (with a lot of B-52s thrown in), and their versions of "Time of the Season" and "Shades of Gray" are radically different from the originals, taking on the mysterious style of the band's own songs. They also wear fringed dresses and do some wild dancing while they play. Not a '60s band, they are nonetheless in the best spirit of electric music for the mind and body.

THE STEPPES

● A band that defies categorization, they live partly in Ireland and partly in L.A., blending traditional Celtic myth and folk influences with a grounding of California acid rock mingled with late '60s British blues-psych.

THE THINGS

● Since the release of their second album, The Things have been recognized as a leader in the new generation of American guitar bands. Their '60s influences include Beatles, Melles, Yardbirds, Buffalo Springfield, Byrds, Stones, etc., but their style is impossible to define except to say that it's powerful and very effective.

THE TOPES

● On **BATTLE OF THE GARAGES** they were a drunken frat band, but this young trio (now just out of high school) has already evolved into a jam band with psych tinges and great blues guitar work reminiscent of Eric Clapton's days with Cream.

THE UNION

● An interesting band, they delve into late '60s British pop bands like Jethro Tull and Fairport Convention. Their self-released LP is one of 1985's most impressive new albums.

36-10

● A personal favorite of mine, they revive the tradition of '67 jam bands like Cream, The Jimi Hendrix Experience, etc., with large doses of the Doors and The Stooges. A mysterious guitarist and a hammer guitar genius plus a drummer who could be Keith Moon's brother and a jammin' bassist make this a band always worth seeing. They do some great '60s covers as well as originals.

Louisiana SHROOMS

by M. Budsworth

I really felt like shit after making several trips to a nearby cow pasture to collect manure for my project. The hot and humid Louisiana weather comes early in the year and can really make a person sweat his ass off.

After I'd finished though, I stood back to admire the fine collection of turds that would soon play an important role in my garden within a garden, an attractive garden which contains a



large variety of cover plants and flowers as well as a garden within a garden containing the hallucinogenic mushroom known as *Stropharia cubensis*.

The *Stropharia cubensis* psilocybin mushroom grows abundantly in the cow pastures of southern Louisiana, directly out of the cow pie. The collector should know exactly what to look for as there are mushrooms that grow in the area that are poisonous and may be toxic. A field guide to mushrooms is a useful tool when searching.

I prepared my garden by excavating the first 8 to 8 inches of topsoil, filled the area with a mixture of 1/3 cow manure. Then I planted my cover plants and flowers. Then I placed several

broken up, half-rotted cow pies among the cover plants.

The best thing about having cover the plants is the disguise, which tends to distract wandering eyes that might have otherwise noticed the strange mushrooms growing beneath. Mushroom season starts here in May and while passing a pasture on a sunny day, I noticed a few of these golden caps, which tossed their golden glare to my eager eyes. I hopped the fence and picked some specimens that were to be the key to successful, sporadic development in my own little field.

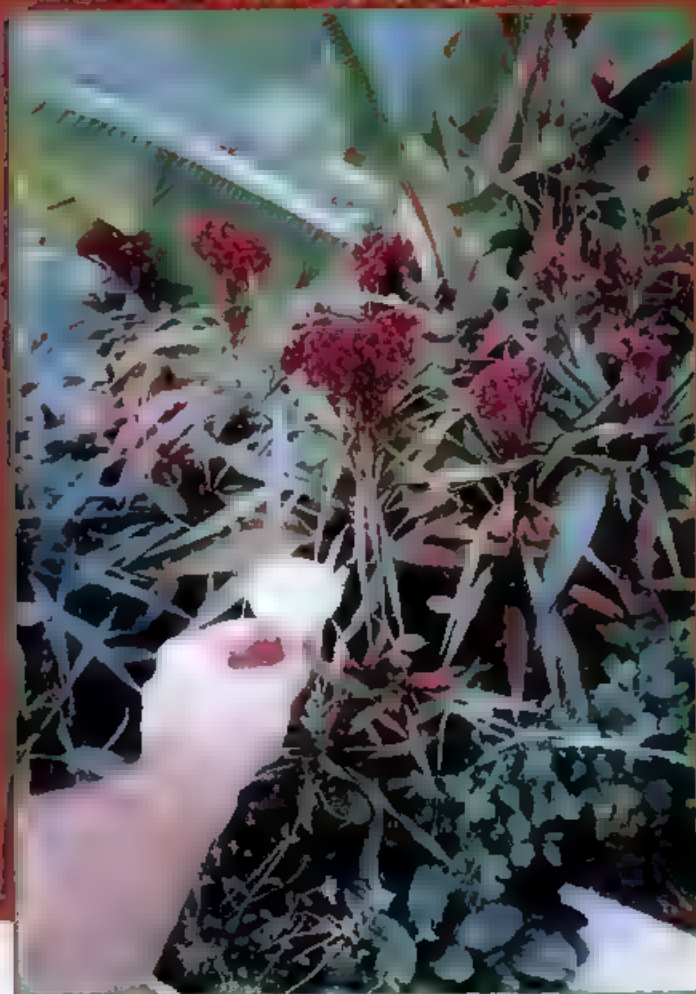
I took the little beauties home and held them in my hand, gilled side down, and lightly tapped the



cap, allowing the almost invisible spores to fall to the surface of the freshly prepared bed of manure. Then I watered the surface of the bed, drenching it.

Within a few days several tiny mushrooms popped up. I left them, which allowed more spores to be released. It is important to leave the first mushrooms so that a cycle can be started. Each time new ones come up, they should be left until the gills open and the spores fall. As I watered them on a daily basis, the cycle continued.

Now, these hot afternoons, I sit on my back porch by my colorful garden and sip my moldy and rather nasty tasting mushroom tea. After a while the distorted visions and feelings begin. I start laughing insanely and realize I've made it.



THE COLORS OF MAY





MEL FRANK

HEP CAT

HMM... TOMORROW'S
THAT JOB INTERVIEW...

... I SHOULD SKIP IT!

MAY

					CHECK DAY		
3	4	5	6	7	8	9	
10	11	12	13 FULL MOON	14	15 CHECK DAY	16	
17	18 JOB	19	20	21	22	23	
24	25	26	27 NEW MOON	28	29	30 MEMP MOON	
31							

THINGS TO DO

CALL ZOBY FOR A DATE MONDAY

CALL LORETTA FOR A DATE TUESDAY

CALL MIKE FOR A DATE WEDNESDAY

CALL MUFFIN FOR A DATE THURSDAY

CALL TRAVEL AGENT MEXICO

CHANGE LETTER

SHOPPING LIST FOR FRIDAY'S PARTY

NINE LASES OF MEOWILLER LITE

TWO BOTTLES OF CAT DANIELS

ONE BOTTLE OF KITTY SARK

THREE BOTTLES OF MOUSEATER GIN

THREE OZ CATNIP

© 1987, BY JOHN HOLMSTROM + AID MAC SPADE - WRITTEN BY AID MAC SPADE, DRAWN BY JOHN HOLMSTROM

THAT PLACE WILL PROBABLY WANNA DO A PISS TEST! I'LL NEVER PASS THAT!

BUT I REALLY NEED THE BREAD! I JUST GOTTA GET THAT GIG!

I'VE GOT IT! I'LL RING MUFFIN! SHE'S CLEAN AS A LEAN DICK DOG! BESIDES - I'M HORNY!

SNAP!

HELLO, MUFFY? IT'S HEP CAT! YEAH! HEY-WANNA COME OVER FOR SOME EATS? YEAH- I'LL OPEN A FEW CANS- AND-UH-COULD YOU DO ME A FAVOR?

MUFFIN, BABY! HEP CAT! HONEY!

DIDJA BRING ME THAT DILDO LIKE I ASKED?

TEE HEE! YES! BUT HEP CAT- TEE HEE! WHAT EVER FOR?

WELL, DARLIN', WHILE YOU WRITE UP THE PERFECT JOB RESUME FOR THIS GIG, I'M GONNA INVENT THE PERFECT PISS-TEST PASSER!

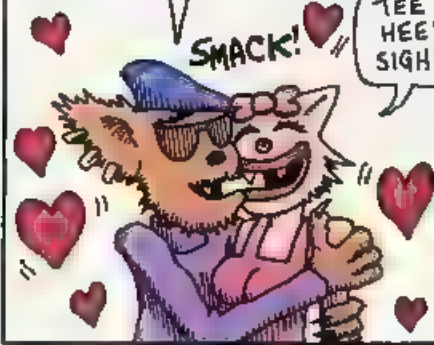
OH!...IS THAT ALL?



HEH HEH! DON'T WORRY, DOLL! I'LL THINK OF SOMETHING ELSE FOR US TO DO TOGETHER, OK?

SMACK!

TEE HEE! SIGH!



BUT WOULD YOU PISS INTO THIS JAR FIRST? I NEED A CLEAN URINE SAMPLE!

HMPH! HOW ROMANTIC!



TWO HOURS LATER...

HERE'S YOUR RESUME, HEP!

GOOD! YOU'RE JUST IN TIME TO SEE MY NEW INVENTION!



SEE? WHEN I SQUEEZE THIS BUTTON, YOUR CLEAN URINE PASSES FROM THIS PHONY BLADDER INTO & OUT OF THE DILDO! I'M GUARANTEED TO PASS ANY PISS TEST!

SQUEEZE!

SQUIRT



OH, HEP CAT! YOU'RE A GENIUS! HEH HEH! I KNOW!



THE NEXT DAY...

YOUR RESUME IS VERY IMPRESSIVE! I'M SURE THAT IF YOU PASS OUR DRUG TEST, YOU'LL BE HIRED BY OUR FIRM!

HEH HEH!



IF YOU'LL JUST ACCOMPANY MISTER MEOWKA HERE TO THE CAT'S ROOM, THE INTERVIEW WILL BE OVER WITH!

REET!



HEH HEH! HEP CAT, YOU'RE A GENIUS!



COME BACK IN A WEEK, MR HEP CAT! WE'LL HAVE THE TESTS OF YOUR SAMPLE BACK, AND IF YOU PASS, THE JOB IS YOURS!

OK! SEE YOU LATER!



A WEEK LATER...

GOOD NEWS, MR. HEP CAT! YOU PASSED THE DRUG TEST! UHH... THERE'S JUST ONE SMALL PROBLEM!

HOW MUCH SALARY YOU'LL PAY ME?



NO... YOU'RE PREGNANT!



Long-time readers of **HIGH TIMES** will recall the drawings of Joe Coleman, a particularly demonic sort of artist who illustrated a gruesome vision of life in our Best of #2, and whose equally wild performances were written up in the February, '84 issue. Pictured here are two of his recent paintings, art so autobiographical that it provides key insights into the kind of demons that haunt this terrorist artist.

"Family Portrait" graphically describes Coleman's memory of his father's illness, skin cancer. But the various repulsive afflictions of the flesh which infect Coleman's characters also seem to reflect a deeper sickness of the human soul. The physical cancer which mutilates so many bodies is only part of the larger degeneration of our entire civilization. The alienation Coleman feels is a belief that this cultural illness is a post-evolutionary development that we must mutate with, or face as a possible source of our extinction.

"Portrait of Professor Monabozzo" is Coleman's self-portrait of his stage/freak-show identity. This work's personal references include a banner of incantations he mutters while in his performance trance state, a fish coming out of his fly (the position in which he was arrested while making a film), rats in his outstretched hands (whose heads he bites off during performances), an eruption out of his shoulder which refers to his theories of mutilation, scars from the firecrackers he explodes against his flesh as part of his live show, and an intricate background maze of icons illustrating his many private, inner demons. The small portrait of Copper John is Coleman's tribute to the infamous mass murderer, a.k.a. Carl Panzaram, who was considered one of the most shockingly misanthropic villains ever (he was hung in the '30s). Coleman identifies with Copper John as both the victim and the embodiment of society's despotic cruelty. ●

HIGH ART

by Carlo McCormick







CAMP OUT

by
Michael R. Smith

Illustrations By Lisa Blackshear

Years ago, in the coastal mountains of southern California, I used to go on survival camp-outs. My campsite was about 25 miles southeast of Escondito Canyon, up an unnamed creek where the mountains blended into the high desert. The nearest town was a couple of ridges over, 12½ miles to the north, a small one-horse town named Acton. Since the stream wasn't under any regular flight paths, aircraft were a rare sight. After the hypertensive struggle of operating a hot food catering truck in the rat race of L.A., the silence was very profound, almost spooky. The campsite was, by choice, very primitive, having only a small cooking fire and an Apache-style wickiup for shelter.

Being a semishy country boy, I'd been forced to make several attitude adjustments—like living on amphetamines—in order to successfully survive in the highly competitive catering business. Although I managed to make a very comfortable living, after the expenses of the truck and route leases, of supplies, and of the wages of the cooks I employed, I found it necessary to go on a “survival camp-out” to relieve stress every three or four months.

Perhaps “survival camp-out” isn't the proper term for those retreats since I always brought along plenty of rations, even though I rarely ate them. I suppose the “survival” part came from the fact that I often ate only what the earth provided in the area, and from the stress-relieving

doses of solitude I found there. It was, at the time, a great blessing to be able to get away for a week or two to regroup and soothe my spirit. I'd always cherished any chance to commune with nature, so I am particularly fond of memories like this one.

A friend of mine, a burly, shell-shocked Vietnam veteran named Roberto, first introduced me to the area. He liked to hunt rabbits and lizards in a spot he called simply “Hill 102.” His idea of “hunting” was to get all smoked out and walk through a desolate area, shooting anything that moved. Hill 102 was about eight miles from where I was to build my campsite. Roberto, who had been an explosives expert in the Army, was well known for using a

continued over

22 caliber rifle to shoot pigeons out of the palm trees around our suburban homes. He also had an annoying habit of setting small explosive charges around his neighbors' houses. I often fell victim to minute explosions when trying to open my garage door, or sitting down on my toilet. (Life can be very interesting when your next door neighbor is slightly psychotic.)

About a month after our little hunting expedition, I returned to Hill 102 in order to scout the region for a suitable campsite. I pulled my Chevy off the forestry access road and concealed it with brush to protect it from vandalism, as I planned to wander out of ear shot. After shouldering my backpack and donning a small 32 caliber automatic pistol for protection against two-legged predators, I set off uphill, following a small river. The wide, fast-running torrent flowed down a draw filled with cottonwood trees and raspberry bushes. There were wild strawberries covering the slopes of the ravine. At the top of the draw they blended into the thick sagebrush choking the mountain side.

A couple of miles up the mountain the watercourse branched into two slightly more complacent tributaries. When given a choice, most people will invariably follow a trail on their dominant side. Being right-handed, I had kept to the right side of the cascade. It was easiest now for me to continue up the right-hand fork of the stream. Another hour of laborious hiking brought me to yet another bifurcation; again, I followed the nearest branch, which by now had become a rather sedate little creek. Three more hours through the rugged terrain brought me to the clear, fresh springs that were the headwaters of the rill on the back side of the mountain. Having passed several prospective campsites, I backtracked downstream to what I considered the most suitable one.

The campsite I chose was ideal





LISA BLACKSHEAR

for what I had in mind. As I rounded a bend in the creek, I saw a flat, grassy meadow thirty feet across and eight feet above the water. It was surrounded by pine trees that thinned into sagebrush as the terrain rose to the ridge lines 100 feet above. Wild strawberries grew along the creekbank and around the meadow, with raspberries on the far shore. There was a deep pool in the stream, seven feet across, five feet deep, and full of trout. Overall, the ravine was probably 50 feet across, so the camp was well protected from strong winds. Several old cottonwoods shaded the brook both upstream and down.

I started setting up my pup tent after having had a good look around the immediate area. Five minutes later, the real work began. I cut some green pine limbs to start the superstructure of the wickiup. Only four feet high and ten feet across the floor on the inside, it would look for all the world as if it had grown there. After an hour the frame was completed and it was time to apply a layer of pine boughs and cottonwood leaves. At this point I noticed that the sun was nearing the ridge to the west and I decided it was time to build the fire pit and start dinner instead.

As I sat drinking my coffee and toking some Cambodian weed by the fire, watching the stream flow by in the moonlight, it occurred to me that since I intended to make a permanent campsite here, I should build a small dam at the downstream end of the pond. I picked a tentative location for a slit trench, to be used as a sanitary facility.

The next morning I shared my breakfast of left-over rice with a small covey of fat mountain quail as I pondered the many hours of work that lay ahead. I lit the roach from the night before and thought, first on the agenda was to add a layer of pine needles and leaves to the wickiup, followed by some vigorous mixing of mud. Using a small hand axe, the pine boughs

continued over

were easily cut, but getting them to stay on the dome-shaped frame was another matter entirely. I wound up using more of the one-eighth-inch nylon cord that I'd packed along to lash the frame together. (I'd brought 300 feet of it, just in case.) Once I'd finished that task, I piled three or four inches of loose pine needles and leaves all over the structure. Now it was time to mix and apply the mud. The mud is optional, since it requires a fair amount of water, but it greatly improves the wickiup's ability to withstand heavy rains. Two hours later, the little dome had a brand new, six-inch-deep coat of mud with leaves and gravel mixed in it. It was time now to let the sun bake the mud into something akin to adobe or concrete.

It didn't take long to build a latrine facility. The waterproof toilet paper holder was made from slabs of cottonwood. Then, since it was warm, I decided to build a dam. I shucked my clothing, except my jungle boots, and waded into the pond to start hauling rocks off the bottom. Although there were plenty of rocks that were more accessible, my plan was to remove the ones from the pond, so as to make it deeper. The cold water was invigorating and the work went quickly. In less than an hour, I had a wall across the creek bed two-and-a-half feet high and three feet wide. However, because of the large holes between the rocks, the water level hadn't changed noticeably. I used my army surplus entrenching tool, known as an E-tool but called a shovel by civilians, to scoop up gravel and pour it into the gaps in the dam. This proved to me more work than moving the rocks, perhaps because I was no longer bobbing underwater constantly. Either way, I worked up a heavy sweat as the water level rose slowly, making it necessary for me to move to the downstream side of the dam. Eventually I reached a point where most of the stream's flow was going over the top of my little dam. The pond had grown to twelve feet across and nine or ten feet deep. After a short dip to

Two hours later, the wickiup had a six-inch coat of mud with leaves and gravel mixed in.

wash off the sweat, I dressed and set off to explore the area.

Fifty yards upstream I discovered a large, grassy delta left over from a flood years before. It was surrounded by oleander bushes and old driftwood. I had almost decided to put my campsite there because of the size of the spot, but I thought, where it's flooded once, it may flood again. It was, however, a perfect place for a wild garden of onions, carrots, radishes, squash, and of course, some Cambodian and Vietnamese pot. These plants require little or no care after they're planted and tend to regrow every year. The garden would be a project for my next vacation. I would probably spend some time on soil preparation, if I could find an opportunity during this trip.

Halfway between the delta and my campsite, at the bend in the creek, the current had gouged another deep pool and a small underwater cave. Looking closely, I saw some young trout in it. I noticed that the stream was pretty shallow between the two pools and thought I should excavate a deeper channel for the fish to swim back and forth, after all, they might care for being in the lower pond when I bathed. It didn't take long to move enough rocks so that there was a three-by-three foot channel connecting the

pools. Because of the swift current, this also made a very nice water chute for me to fool around in.

When I'd finished and walked back to camp, the mud on the wickiup was dry and hard as a rock. It was time to start applying the final layer of dirt, sod, and sagebrush. It was necessary to start this layer at the bottom, so the dirt wouldn't just slide off the dome. I piled moist dirt, two feet high and a foot thick, all the way around the wickiup and laid a strip of sod on it. After gentle tamping, the sod supports the strip of dirt piled on above it, right to the top. When done, it's preferable to slosh liberally with water to pack the dirt and help the turf adhere. Tomorrow, it would be solid enough to climb on to plant a couple of sagebushes.

By the end of the day, the wickiup was completely dry, so I struck my tent and moved all my gear into the dome. I'd brought along an old army blanket to hang in the doorway, which faced away from the stream towards the hillside, 20 feet away. My campsite was now almost complete.

I built a fire pit between the wickiup and the hillside and placed the latrine behind a tree. From the creek, the entire campsite looked natural and uninhabited. It was far better than I'd hoped for!

That night a full moon rose over the ridge to the east and illuminated my little camp. I sat by the fire, listening to the cicadas and the hooting of an owl, thinking about how it would be an excellent night for a hit of mescaline and some female company. I had neither, so I retired to my sleeping bag for a deep sleep.

I woke the next morning feeling both rested and sore. I shared my breakfast with the quail again, and made plans to build a pine-needle bed in the shelter. I also needed to write out a list of things I wanted to bring on my next trip here.

The bed was no problem at all. I dug a rectangular hole the size of

my sleeping bag and ten inches deep, then built a frame of cottonwood slabs to hold up the dirt on the sides. After that, it was very simple—just fill up the frame with pine needles and leaves, leaving a small mound lengthwise down the center, to compensate for compression of the bedding material.

Downstream, I had seen some wild onions, mustard plants, and dandelions growing. These plants make an excellent salad, but first, it is necessary to rinse most of the “milk” from the dandelions as the thick, sticky fluid is mildly toxic. I decided to transplant some of these specimens and start my garden on this trip. Preparing the soil of the garden took most of the morning. When it was completed, I gathered the ingredients for what I call sweet-’n’-sour salad, a green leaf salad with onions and sweet berries in it. It’s quite tasty, although it does absolutely nothing to improve one’s sex appeal.

After lunch and my noon toke, I set about digging up two sage-bushes to transfer to the top of my wickiup. Sagebrush is much easier to plant than dig up because of the tenacity of its root system. Eventually, after much heavy sweating and a couple of blisters, I had transplanted the bushes and soaked them with water. They would require two or three waterings a day for the duration of my stay, if they were to survive the shock of moving. My wickiup was now complete.

I spent the rest of the afternoon swimming and floating down the water chute. Toward evening, as I cooked dinner, I saw a fork-horned, white-tailed deer halfway down the east ridge. It seemed he liked the smell of my cooking. He watched me watching him for 15 minutes, before gracefully loping over the ridge line. I ate my dinner of beans and rice with a special treat, some wild onions, which greatly enhanced the flavor. As I sat drinking my coffee and fired up a pipe by the fire, I pondered upon the curiosity displayed by the creatures in this obviously overhunted area. It seemed strange they would trust me, a

Halfway between the delta and my campsite, the current had gouged a deep, trout-filled pool

man, and come so near, when so many other men had been here before me dealing out death with guns. I wondered if my friendliness wouldn’t ultimately prove to be detrimental to the animals here.

In the morning, as the quail and I ate my leftovers, the deer slowly stepped into the meadow, opposite of my sitting rock by the fire pit. I grew up in a family that hunts deer, so I knew from personal experience just how dangerous most wild animals could be when spooked by sudden movements or loud noises. I sat very still except for the slow, gentle movement of my arm as I continued to toss globs of rice to the quail. The buck wandered among the little birds and began eating the larger clumps of rice. Even though I was wearing my pistol, I had no desire to shoot this deer, I felt it would not only be a gross waste of meat, but more importantly, I had serious doubts that my small pistol would do more than wound him.

Years before, I had attacked a wounded deer with my K-Bar, a Marine Corps survival knife, and had been gored by deer horns. I realized that he might become agitated when the food was gone, so I tossed a little more rice

towards him and slowly eased around the wickiup, keeping a low profile. I finished my breakfast while watching the beautiful creature across the top of the dome. I had, by that point in my life, killed several deer on hunting trips, but I had never spent so much time so close to a live one before. I was fascinated by the constant, minute movements he made. His long, full lashes flicked up and down as the eyelids blinked over his large brown eyes. He had long ears with white tips that were constantly in motion, twitching back and forth. The buck’s smooth gray fur was short, but rich with the sun, forming highlights that shimmered across his hide. After he finished the rice, the young buck walked fluidly out of my camp and over the east ridge.

I decided to dedicate the entire day to thoroughly scouting the surrounding countryside. My plan was to walk in a reasonably straight line away from the camp for an hour, turn left or right for half an hour, and then head back to camp. I figured this pattern would maximize the amount of landscape I could see, while at the same time minimizing the wear and tear on my feet. Even in rough terrain, two or three hours of hiking wouldn’t wipe me out completely—I hoped. I knew what was almost due north of me, the front side and lower slopes of Hill 102, and farther on, the town of Acton. I put on my war belt, a nylon web belt for carrying my canteen, first-aid kit, and several small ammo pouches containing everything from my compass to munchies (later renamed my “Luke Skywalker utility belt” for obvious reasons), and headed due south. I also carried my pistol and K-Bar, along with the extra clip of ammo in my back pocket. Having been a Boy Scout and a hunter, I had learned to be prepared and to expect the unexpected.

I didn’t find much. A couple of firebreak trails showed signs of being heavily traveled and hunted the previous season. Fortunately, the high ridges and general inaccessibility of my little ravine seemed to have made it exempt

continued on page 87

PLANT OF THE MONTH



This is a picture of my first try at indoor hydro growing. We thought the buds were real nice. The only problem was spider mites. I've tried predator mites, Ortho bombs, Malthion 50, and nothing really works. Can you give me any tips?

—Dazed and Confused
Do Da, Kansas

Try using a soap solution on non-budding plants as soon as you see the mites. Increase the humidity to slow down the mites' metabolism and reproduction. Introduce the predator mites. They thrive with high humidity.

Dear Ed,

I'm a little confused about what lights to use in my grow room and if different lights are recommended for different states of growth. Can you clarify?

—Light Headed
Home Country, NY

Growers have a choice among three different kinds of artificial illumination for their gardens.

Fluorescent lights have been used by growers for decades. The lights are easy to obtain and set up but are often hard to manipulate in the garden. The tubes come in different spectrums. Combinations of cool white, warm white, deluxe cool white, and deluxe warm white are very effective because they emit a high percentage of light in the desired red and blue spectrums.

The main problem that growers have with fluorescents, aside from the inconvenience of the large bank of lights required, is that the garden does not always get enough light. VHO fluorescents, which use about three times the electricity as standards, emit 2½ times the light and are very bright. They can be spaced to make a much brighter garden than standards. Another possibility is TL fluorescents which emit 20% more light than standards and have much thinner tubes. This makes spacing them closer more convenient. All fluorescents can be used from germination or cloning through flowering.

Metal halide lamps are the white lights that are used to illuminate outdoor events. They are very efficient and can be used from cloning throughout the growing cycle. They are excellent lamps for seedlings and clones.

High pressure sodium vapor (HPS) lamps are more efficient than MH lamps in useable light output. They can be used throughout the growing process from germination or cloning through flowering. However, plants seem to germinate and root better under bright fluorescents or MH lamps. After germination, plants grow faster under HPS than MH lamps. Some growers feel that HPS light promotes more vigorous flowering than MH lamps. This may be due to the higher total output of light emitted by the lamps rather than the difference in spectrum. Plants usually ripen a few days later under HPS than under MH lamps.

Dear Ed,

I was reading your column in the July '86 issue about someone in Yuma, Arizona, having trouble with plants in the hot summer sun.

I live in Apache, Arizona, and I've found that, rather than giving my plants direct sun in the evening only, I can give them

GARDEN OF THE MONTH

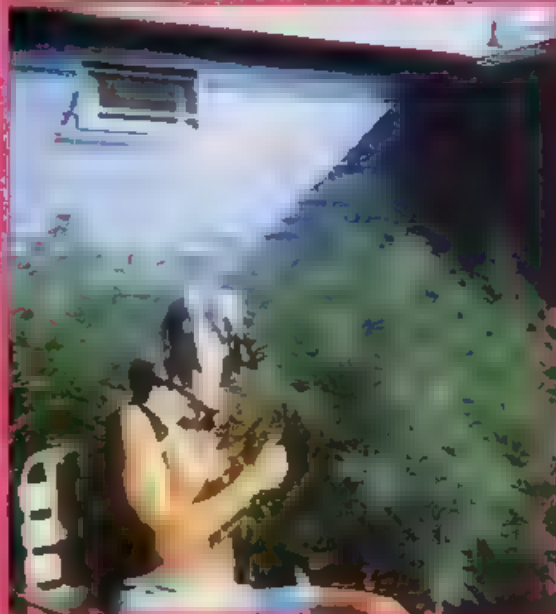
Enclosed is a snapshot of the crop my friends and I were growing. The picture was taken in early August. There were a variety of different sativa seeds. This was our first year growing.

It's really a shame we never made it to harvest.

The garden was busted by state troopers in late August. You could say we were unlucky. The neighbors were cool, but you never know who might have peeked over our fence. Growing in a residential area is risky. We know that now. Plss on the cops, we'll fuckin' grow again this year in a safer place.

Many people think growing good herb this far north is impossible. That's not true. Luckily, a friend of mine did make it to harvest and it was cooler bud all the way.

—Green Mountain Power
South Burlington,
Vermont



ASKED

BY ED ROSENTHAL

partial sun all day by using a screen or shelter made of 1-inch wooden slats placed 2 inches apart. This gives your plants plenty of sun to grow yet just enough shade to prevent burning.

—John B.

Apache, Arizona

Thanks for your tip, Mr. B.

Dear Ed,

I recently scored a few oz's of very heavy skunky buds. The buds were small, compact, and so resinous that your fingers would stick together trying to break them up. The smoke is very mild, sweet, and a no-cough pleasure.

Will the few seeds I found in the buds have the same aroma and texture?

—Floyd

Wurtsboro, New York

You know what the seeds' mother was like, but not the father. Fifty percent of the seeds' genetic material is the mother's, so the new plant should be similar. There is a good chance that the seeds were the result of a stray male flower on the female plant. In that case some of the plants are likely to be hermaphrodites.

Dear Ed,

In many articles people say that they crossed their best female with their best male. To tell a good female is easy, but what is the best way to find your best male?

—B B.

Winterport, Maine

Most growers look at different characteristics when choosing their males as

compared with females. With females, growers can look at bud size and smoking characteristics.

Growers sometimes judge males on their vigor, earliness, or growth pattern. Two other means of selecting males are checking the number of resin glands on the plants by using a photographer's loop or magnifying glass, and smoking the plant tops to select for relative flavor and potency.

Dear Ed,

My grow room is 3' x 3' x 7'. It is powered by a 400-watt metal halide (MH) lamp. The temperature can climb to well over 100 degrees in just a couple of



This is a picture of some High Desert cloned sativa. She is in her second stage of bud growth. Another clone, same mother, yielded 5½ ounces of grade A + smoke.

hours. With an air intake fan running constantly, I can keep the temperature at about 96 degrees. Will the high temperature affect the growth or yield of my plants?

—Concerned

Tujunga, California

Yes, the plant's photosynthesis, and thus its growth, slows down as the temperature rises above about 80 degrees. As the temperature rises into the high 90s, the plants actually shut down. An air intake fan delivering air only slightly cooler than the air found in the room does not help much. There are several possibilities:

Water coolers cool the air through the evaporation of water. These come in both vent and recirculation models. Large greenhouses use this method of cooling. One of the small sides of the greenhouse is covered with a capillary mat that holds water and allows air through. It looks something like a giant furnace filter. A large fan blows air through the mat, and the incoming air is cooled as the water evaporates.

In areas with low humidity, the air can be cooled by maintaining a constant flow of incoming air while spraying a fine mist of water, which quickly evaporates, cooling the air.

Air conditioners can supply a grow room with a constant stream of cool air.

If the nights are significantly cooler than the days, switch the light cycles around so that heat is generated at the coolest times.

Keep the ballast outside of the grow area. The ballast generates quite a bit of heat.

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● **Control the sex of your plants with growth hormones.** ●

GOIN' FOL

by **Bob Ireland**

Hormones are organic molecules produced by plants and transported to a site of action where they control, stimulate, inhibit, or alter one another, and therefore the plant's development. The term "growth regulator" encompasses not only naturally occurring plant hormones, but also the hundreds of synthetic organic compounds found today that can exert profound regulatory effects on growth.

It is obviously advantageous for plants to grow at the maximum rate permitted by their environment. Signals from the environment are translated via the hormones into integrated growth responses exactly suited to that situation. Hormones regulate the process of responding to the environment by allowing the decoding and translation of the proteins (enzymes) that influence the organization of the internal chemistry of the cell and the interaction among cells.

Sex in cannabis is controlled by both genetics and the environment. The sex chromosomes carry information that predisposes the plant to become one sex or the other. The information for the other sex is still present but is repressed. We know this to be true; otherwise, we could not have the sex revertants and hermaphrodites that seem to pop up out of nowhere.

The role of the environment can be summarized into a philosophical line of scientific thinking called the "favorable environment" theory. When conditions are favorable for the plants, more females are formed proportionately in order to insure a population boom in that area. Fewer males are

formed since less pollen is needed to maintain a high survival rate. When conditions are harsh, more males are formed since more pollen is needed to insure the current female population is fertilized. Also, more pollen can be scattered in the wind to reach outlying populations in more favorable areas. Have you ever noticed that your earliest and tallest plants are generally males?

With that in mind, it stands to reason that good growing techniques by themselves will tend to promote the favorable disposition of marijuana toward becoming female. However, there are times in the life cycle when the application of hormone (or growth regulator) knowledge can be used to our advantage.

Auxins, cytokinins, and gibberellins are the principal growth-promoting hormones. Auxins promote rooting, leaf and fruit retention, and directional growth. Cytokinins promote active cell mitosis, ion transport, and general vigor. Auxins and cytokinins have, in general, been implicated in favoring feminization in cannabis and other plants. Gibberellic acid is the most powerful growth promoter because it increases internode spacing. GA also promotes flowering in a great many ornamental plants, but in cannabis the flowering plants are invariably male.

Numerous natural or synthetic growth-promoting and growth-retarding substances are available commercially. They not only affect the life-cycle stage they are intended to

enhance, but often have direct impact upon the promotion of sex characteristics.

At the seed level, Superthrive is an example of a soaking solution combining an auxin (naphthyl-acetic acid) and a coenzyme (vitamin B-1), both of which are vitally important to initial active growth. Senes-Soak uses a cytokinin (6-BAP) to promote cell division and to promote the formation of female hormones from the very beginning. Herbal teas, aspirin, birth control pills, willow water, and other mystic solutions that some people use undoubtedly have precursors, analogues, or metabolites that mimic auxins or cytokinins. Even without our help, however the new plantlet will synthesize its own hormones to do things we take for granted. They influence the ability of the seed to point the growing root down and the vegetative tip skyward.

For transplants and clones, the most familiar hormones are the auxins as rooting hormones. These are the most commonly available commercially. They come in either liquid or powder—each has its advocates—and include indole acetic acid (NAA) and indolebutyric acid (IBA). Dip 'n' Grow, Hormodin, Hormex, Rootone, and Transplantone are examples of auxins as rooting hormones. Superthrive is used as a rooting compound and as a soil amendment. All of these auxin products have been implicated in promoting female plants, whether indirectly by promoting the favorable environment, or directly by influencing the hormonal matrix regulating sex translation.

In healthy juveniles, natural hor-

R G R O W T H

mones are synthesized. Cytokinins are manufactured for the overall health and ion transport. GA is synthesized for vigorous growing. Auxins migrate to the growing tips to aid in active cell division and elongation.

If you manually manipulate your plants, you are toying with the hormones. If you pinch the growing tip, the auxins will no longer be concentrated there but will migrate equally to the two new growing tips below the cut. Also, having removed the focal point for the auxins, more of it is available to migrate to the side branches and increase the lateral branching. Bending your plants makes them react in analogous fashion. A side branch tipped up and down will react to the light (phototropism) and become a new growing tip. Auxins are marshalled into these new growing tips. The ones given the most light and with the highest concentration of auxins grow the swiftest.

This all can be overdone, however. As the plant grows, it starts manufacturing floral hormones in preparation for the time of flowering. If you prune too severely just before induction, it will take a while for the floral hormones to concentrate again.

There are ways to chemically manipulate your plants' sex characteristics in the vegetative phase, i.e., to predispose them to produce female hormones in preparation for flowering. Some fertilizers, such as Eco, include minute amounts of all the auxins to promote better general health and vigor. Theoretically, auxin sprays might enhance feminization. Different concentrations of NAA solutions are used in the olive industry, where one is used

to prevent fruit drop and the other to prevent fruit from forming. It is unknown whether they work on cannabis in concentrations found. Research tests involving miscellaneous foliar cytokinin sprays appear promising but are not readily available yet. I once made a product called Bud Butter, which was NAA and IAA in lanolin applied with a cotton swab. Sometimes flowering was phenomenal, yet at other times, the plant mutated and the flowering response was nil.

As with the majority of hormone products, considerable research and replication must be done to find a product that works in all environmental conditions and for different strains.

Perhaps the best and most consistent flower-promoting products available are the growth retardants. Their virtue is in reducing the internodal length and therefore the total height of the plants. This is important to you for concealment or efficiency in growing space. The plant's reward is elimination of wasted energy in vertical growth and sturdier stalks to survive wind, rain, and heavy blossoms. Energy is channeled into better lateral growth and producing bigger, fuller buds that tend to flower earlier. Furthermore, there is a marked tendency to promote more females since these products are generally antigibberellins. As mentioned, GA promotes maleness in cannabis; the growth retardants inhibit the precursors to GA formation within the plant.

There are quite a number of growth retardants available commercially. Among the ones you may have encountered are A-Rest (ancymidol), Atrinal (dikegulac), Bonzal (paclobu-

trazol), and Cycocel (chlormequat). None of these have been proven safe for use with consumable products and are only safe for ornamentals such as azaleas, chrysanthemums, etc.

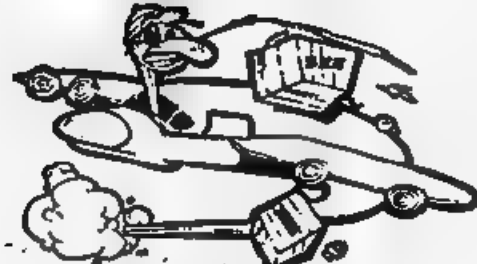
The diaminozide family of growth retardants includes B-9, Kylar, SADH, Alar, and Power Bloom. The last two are the only ones proven to be safe for use with edibles. In fact, one would have to ingest nearly one pound of the powder or over an acre of marijuana all at once to get sick from diaminozide. Power Bloom also contains NAA and has been proven effective and safe for use with cannabis.

The flowering process is quite complicated biologically and biochemically, and is still not fully understood. Space restraints here prohibit even attempting an explanation.

Suffice to say that the photoperiod response, i.e., light versus dark regimes, is registered in the leaves by a pigment called phytochrome. The order to start flowering is then transported via some unknown hormonal messengers to the terminal buds.

There are numerous ways we can take advantage of our knowledge of hormones in the flowering process. One is in the choice of lights. Metal halides provide the balanced spectrum necessary for vegetative growth. Shortening the photoperiod by itself will trigger flowering. But for more intense flowering, adding sodium lamps or tungsten halogens is preferred because these emit much more far-red light. This drives the phytochrome

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the control panel. It was a heartbreaking sight.

The sergeant kept asking about guns. "I will find out what was in this airplane, and if there was a gun aboard, I'll blow your fucking brains out," he told me in broken English while pointing a Colt .45 at my forehead.

I believed him, but I wasn't sure if I was being set up. Had someone slipped a gun under the seat? Fear went up my ass like a fist. The soldiers hacked at the Cessna with their bayonets, but no guns were found.

* * *

Dawn appeared. The rifles were put away and the handcuffs removed. The mood became friendly. I had no money or guns and my airplace was a big pile of junk. No one was afraid of me.

"Did you really fly from Miami in that little thing?" they asked repeatedly. "Impossible. It's too far."

The soldiers fell out laughing when I told them about the flight. The spoke in amazed whispers: "All that water...no navigational aids."

From then on I was treated with the respect the Spanish people accord to those who demonstrate machismo. The matador fits into this category, as do pilots who fly single-engine planes over the Caribbean. I was released out of respect. The soldiers drove me back to the military barracks, where I discovered my friend from Debulla. He had been looking for me all day. I was going home.

* * *

Debulla was an interesting town, an enterprising headquarters for contraband situated between the sea and a delightful, unpolluted, ice-cold river. The town's entire economic vitality depended on the waterfront. During the day citizens

A single-engined plane is considered a toy. Many passengers will not fly in one.

gathered at the river to meet, wash clothing, bathe, and wash cars. At night, large seagoing canoes appeared and hundreds of marijuana bales were carried offshore to waiting yachts and fishing boats. The houses were a mixture of ancient mud huts and luxurious mansions. No tourists visited this beautiful hamlet.

In Debulla I learned about the everyday lives of the Colombians, who treated me with warmth and hospitality. My primary adjustment was learning to live without a flush toilet. I brushed my teeth in rainwater and drank from the river. There were no refrigerators, and the fly population numbered in the millions, although their presence didn't seem to bother anyone. I remained in this idyllic setting for three days.

Another gringo was visiting my host. He was a young, well-heeled, master smuggler, and he was in the process of purchasing 75 tons of pot. He had a fishing trawler docked nearby. For the first time, I was able to talk smuggling with another professional. We compared the advantages and disadvantages of airborne versus seagoing transport—speed versus tonnage—and exchanged numerous ideas. I sold him on the idea of air support during his coastal operations. He knew more about marijuana than anyone else I'd ever met. All day, Colombian growers visited him with samples. I learned differences in taste, color, and freshness.

In the afternoon the family left for the river banks for a delicious, civilized bath. At first I worried about crocodiles and snakes, but was reassured by the sight of hundreds of people in the river. I

swam out to the center and dove 20 feet into the icy darkness.

A few days later a jeep arrived and I was driven through a sloping, blind canyon to a cattle ranch outside Santa Marta. The ranch was populated by a herd of Brahmin longhorns damn near the size of elephants. The cows were fast, mean, and tough, and there was constant galloping and roping to keep these beasts in check.

Since I had no papers or money, I was forced to remain on the ranch. I was a soldier of fortune crashed behind enemy lines. I didn't know how long it was going to take, but it didn't look like I was going to be leaving soon.

Life on the ranch began long before dawn with bread and hot coffee. Before first light the horses were saddled and the cowboys went off to their respective jobs. Irrigation diesels were started and huge lawn sprinklers began spraying the hay fields. I stayed behind in the kitchen and talked with the women. Before long, a side of raw beef was delivered and placed in the sun. Flies blanketed the drying meat, but no one seemed to care. A large quantity of yucca, a cross between a potato and a rope, was dropped into a pot and boiled over a wood fire. Around 10 AM, the dried meat was placed in the pot and boiled. Rice was started. Vegetables were added to the boiling meat. Just before serving, the beef was skewered on a machete, held over the open fire, and singed. By noon all was in readiness.

The noon meal was the high point of the ranch day. A gong was clanged and the happy cowboys rushed the tables. The women served large bowls of torrid, peppery soup. The roasted meat was carved and served in chunks with the yucca. Gravy was poured over the plates. A steaming cauldron of rice appeared and everyone dug in with

"I fed him huge handfuls of golden leaves and the goat and I became good friends."



large wooden spoons. Boiled milk and hot cocoa were served to complete the meal. Also dining with us were thousands of hungry flies: flies on the meat, flies in the soup, and flies drowning in the cocoa. I watched the voracious cowboys lap up the hot food. In the interest of good public relations I dug in. I soon understood why everything was eaten hot. As the food cooled, it became more appetizing to the flies. I learned to casually flick them away before eating.

After the meal the cattle were rounded up and fed. A cowboy spent the entire day chopping grass into bite-sized chunks. This grass, combined with grain and minced hay, was bucket fed into feed stalls. Unfortunately, all the cows wanted to get into the feed stall at the same time, so feeding became a wild stampede of huge, horned beasts. Once the cows were inside they didn't want to leave, and it took a lot of hard riding, shouting, and cracking of whips to make them behave. It was dangerous work and I was advised to stay out of the way. Feeding took about three hours.

Afterwards, the pace began to relax in preparation for the evening snack, which consisted of anything left over from the noon meal, plus lots of black coffee and hot cocoa. Leftovers were thrown to the chickens and dogs. Then everything was cleaned up and work stopped for the night.

I slept in the barn with the stable cleaner, who was perpetually encrusted with turds. His clothing, shoes, face, and hands were smeared with dried shit and flies followed him everywhere. Even so, his eyes sparkled with laughter. Our only other companion in the barn was a goat who loved eating marijuana. I fed him huge handfuls of golden leaves and the goat and I became good friends. Sometimes in the evening, cowboys would visit us with a bucket of beer or a bottle of rum. We had a great time.

* * *

It took two weeks of waiting, but finally one morning before dawn I was roused out of a dizzy hangover by two men in a

jeep. "Quickly!" they said. "Today you go."

I gave the remainder of my stash to the goat and shook hands with my shit-encrusted stablemate. I took a last look at the ranch and piled into the jeep. After a two-hour drive, we reached the landing area, another jungle strip. At least the runway was straight. Five thousand pounds of pot and 1,000 gallons of fuel were set by the runway.

The morning was hot and I had to face my hangover without any of that fabulous Colombian coffee. As the tropical day continued past noon, I watched the Colombians drinking water from a tiny stream. I found myself belly-down like a reptile drinking from this two-inch-wide river. I marveled at how primitive I'd become.

Around 2 PM I spotted a low-flying DC-3. It made a steep turn and I saw Ozzie's face sticking out the cockpit window. He waved. I waved back and wondered who the copilot was.

The book says you can't solo a DC-3, but Ozzie was alone. He'd used

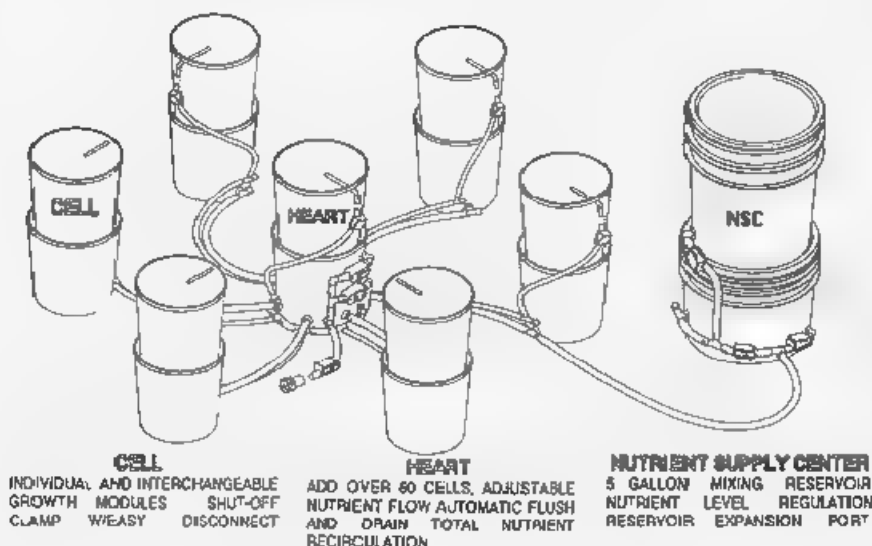
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HORMONES

continued from page 65

into a transitional state compelling the flowering process.

By far the most important class of hormones during flowering, whether internally produced or exogenously applied, is ethylene. Ethylene is a gaseous hormone implicated in the flowering and ripening stages of nearly all fruits. Ethylene applied on cannabis when the plant is changing over from its vegetative to its flowering state will cause it to become female regardless of its gene structure. Ethylene is sold commercially as Ethrel, Florel, and Senza-Spray. Senza-Spray is the only one field-tested for cannabis.

Other gaseous growth regulators, oddly enough, include acetylene and carbon monoxide. Both promote flowering when used in minute concentrations. Acetylene, which is almost identical chemically to ethylene, is produced by the reaction of calcium carbide and water. Pineapple growers in Hawaii used to place pellets of calcium carbide in the recesses of the plants in order to induce flowering and fruit formation regardless of the season.

An atmosphere of one percent CO has been shown to change the sex expression of genetically male cannabis plants, resulting in intersexual and pure female flowers. The interesting point here is that carbon monoxide and carbon dioxide are biochemical competitors. If it is logical to assume that since CO promotes female flowers, and CO₂ antagonizes the action of CO, the rewards of increased levels of CO₂ during the maturation cycle may be dubious. Higher levels of CO₂ during active vegetative growth and photosynthesis have been proven to be beneficial. However, when the thrust of the plant is directed towards creating full flowers, not active carbon acquisition for growth, perhaps much less CO₂ during blooming would be recommended. Experiment for yourself.

Please do not hook up your car exhaust pipe or welder's tank to your growing room since CO and acetylene are both highly flammable and deadly if used improperly.

The study of growth regulators is the leading edge in plant science. I will explore some new products in this field in a future article.

The author:

Bob Ireland has a masters degree in Molecular Genetics and currently works as an environmental research scientist. He is also the owner of Plantable Plant Products.

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continued from page 63

Dear Ed,

I have a six-week-old female seedling that I started in my window greenhouse. The seed I used was Dutch Purple Skunk #1. This plant is in full bloom but is only 18" tall. The plant was started with 25 others from the same seed and is the only one blooming. It seems to form flowers as fast as it forms leaves, and it is growing rapidly. The terminal bud cluster is almost 2 inches long. The internodal flower buds are of proportionate length. Is this unusual? What is causing it?

On the subject of groundhog control: Trapping supply stores sell bottled fox and coyote urine to use as trap sets. Making a few scent posts around your garden discourages pets. Red fox and coyote urine work better than gray fox urine in my area. Trapping supply companies advertise in outdoor magazines such as *Fur-Fish-Game* magazine.

—M

Ashland, Ohio

The variety you mentioned was sold by a commercial seed house. Apparently, this female seed was not of the same stock as the others. Either the female flower was pollinated by a male with the *ruderals* flowering characteristic, or a seed with that characteristic was inadvertently placed in the seed packet.

Dear Ed,

I was told that the only oxygen a plant uses is absorbed by the roots. Would increased oxygen make a difference to the roots? Can oxygen be introduced into the water using an aquarium pump?

—Joey Flowers

Tempe, Arizona

Oxygen is absorbed through the roots, which use it for their metabolism at all times. The leaves also absorb oxygen through their pores, primarily during the night cycle. At that time, some of the sugars used by the plants are "burned" by the plant in a reaction that uses sugar and oxygen, and releases CO₂ and water.

Increased oxygen in the water may help the roots, especially if they are oxygen-deprived or starved. This is most likely in a very moist or wet environment. Any smell of ammonia or rot in the water or medium indicates a lack of oxygen. An aquarium pump, which sends a stream of bubbles through the water, oxygenates it in two ways. First, the water absorbs oxygen from the stream of bubbles, and secondly, it sets the water in motion, increasing the total surface area in contact with the air.

continued on page 73

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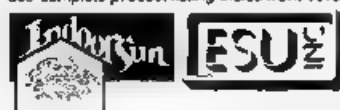
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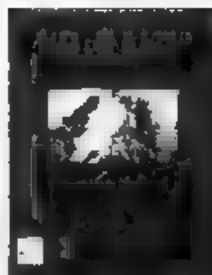
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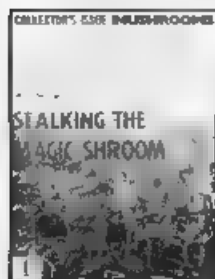
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A S K E D

continued from page 71

Dear Ed,

Which would be better, two 1000-watt MH lamps and one 1000-watt HPS lamp mounted on a light transporter, or five 400-watt MH and four 400-watt HPS permanently mounted?

Also, which are more effective, vertically or horizontally mounted lamps?

—Linda

Bangor, Maine

Lamp transporters move high wattage lamps (usually 1000 watts) over a given path so that each part of a garden gets the same amount of light. Permanently mounted lamps, (usually 400 watts) are spaced at even intervals on the ceiling.

The angle of light of a single moving lamp is constantly changing, so that most plant parts are shaded at times and directly lit at times. With three lamps mounted on a transporter, light is coming from several directions, and most plant parts are lit by at least one lamp at any time.

Dear Ed,

Recently, I was reading about the ancient history of indica plants. I was surprised to read that workers at one time used to put on aprons and walk through fields of herb and brush up against the plants to collect resin.

My question is: Is there any process that allows one to remove the resin from the plant before harvesting without affecting the THC content for the smoking end-user?

—G.A.

Des Moines, Iowa

In the Himalayan mountain countries—Nepal, Tibet, and Bhutan—the marijuana plants are "rubbed" periodically. The harvester gently rubs her or his hands together, with the plant's leaves between. The resin collects on the hands and is peeled off.

Marijuana growers have speculated if, how, and when resin glands grow back when knocked off the leaves—research is now being conducted. At the same time, some marijuana researchers have speculated on how to remove the resin efficiently. Some of the proposals include:

Ultrasonic sound to knock off the glands, and a vacuum to collect them.

Teflon-coated brushes connected to a vacuumlike device.

Positively charging the plants by connecting them to an electrostatic generator and having the glands collect on a negatively charged sheet or net. One idea is to put the plants on a negative-ion generator collection plate to positively charge the plants.

continued over



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A S K E D

continued from previous page

Dear Ed,

I haven't the funds for an MH or HPS lamp. I have been growing my "wacki to-bacci" under a combination of fluorescent lamps stood on end. My growth chamber has ten 4-foot cool whites and two G.E. "Grow & Show" lamps. In my budding chamber I am using six 4-foot cool whites, two 4-foot warm whites, and a single 150-watt fluorescent.

Do you have any suggestions?

De bud must grow!

— Backbone

Northern Illinois

The first room is using about 480 watts of fluorescent and probably 150 watts of incandescent lights for a total of 630 watts.

Your bud room uses 320 watts of fluorescent and 150 watts of incandescent for a total of 470 watts.

In the first room I would use your fluorescents mounted on a shelf for the first month of growth or for cloning until the plants are about a foot high. After that, if you are growing 3 to 5 foot plants, I would switch over to a 400-watt HPS lamp, even though the lamp might seem more expensive. If you add up the difference in efficiency between HPS, fluorescent tubes, and incandescent lamps, you will find that the HPS lamps actually cost less money over the long run. If you are growing smaller budding plants, you might think of converting the entire grow area to shelved units, using only fluorescent tubes. These lamps should remain only a few inches from the tops of the plants. At the very least, I would replace the "Grow & Show" lamps with a 150-watt HPS.

In the second room, I would also replace the incandescent with a 150-watt HPS lamp, or better yet, all the lamps with a 400-watt HPS.

Dear Ed,

If I trimmed all the leaves off my plants about a month before harvesting would this cause all the resin to go into the buds and make them more potent? Would it affect my plants negatively?

—Curious

South Carolina

The plants' leaves are little sugar factories. Using the energy from light, they take water (H₂O) and carbon dioxide, and through the process of photosynthesis, make sugars. Removing a productive leaf from the plant eliminates one of the factories that make its basic building blocks. Stripping a plant of its leaves slows growth because the plant does not have surplus

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A S K — — E — D

continued from previous page

Dear Ed,

I've been growing my own plants since 1983. I grow them up indoors and then plant them out in the open in a well-hidden place in the middle of my home village. Last spring we had a large dose of radioactivity all over Europe because of Chernobyl. For several weeks people were warned not to let their children play outdoors, not to eat any fresh vegetables, and not to drink milk.

Now there's a big discussion in Germany about the remaining radioactivity—is it dangerous or not? Many people still don't eat the crops.

My question now is: is there a risk that my plants have absorbed radioactive substances from the outdoor soil? Is there a risk that I might absorb radioactivity by smoking my crop?

—Tom

Munich, West Germany

The plants are contaminated with ambient radioactivity, just like the other leafy crops were all over Europe. How much radioactivity might be absorbed depends on the level of contamination. Whatever warnings apply to any edible crop also apply to marijuana.

Dear Ed,

I have read that seeds planted immediately after being harvested will produce sickly plants, and that a 60- to 90-day waiting period is recommended. Is this true?

—R.J.

Bay Area, California

You have been reading another marijuana myth. There is absolutely no truth to that statement. Marijuana seeds can be planted as soon as they are ripe.

Dear Ed,

Instead of building walls for my grow room, I want to know how white sheets or white styrofoam would act as a reflector. I am growing in an attic, where every inch of room counts. Sheets and styrofoam are easy to move out of the way while I tend to my babies.

—Tim R.

Louisville, Kentucky

Styrofoam is very good. It is highly reflective, and disperses the light well. White sheets will not work as well because too much of the light is absorbed or passes through. Other moveable reflective materials include white polyethylene plastic, mylar aluminum foil, and cardboard painted flat white.

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Dear Ed,

This year I've added an extension to where I have been growing dope for the past four years. However, when I set out the plants, I noticed the soil looked poor. Now that the plants have been in the ground for a month, is it possible to amend the soil with a new mixture without damaging the roots? I am thinking of adding a mixture of composted manure, old potting soil, and 10-10-10 fertilizer.

—A.C.

Union County, North Carolina

It would be best not to disturb the soil now. However, nutrients can be added using soluble fertilizer, and composted organic mulches would help build up the soil and supply nutrients to the plants.

I recently came across some excellent technical books. Here are a few of the titles.

Carbon Dioxide Enrichment of Greenhouse Crops, edited by H.Z. Enoch, \$77. It contains a history, describes different techniques, and describes how to optimize the use of CO₂.

Cloning Agricultural Plants Via In Vitro Techniques, edited by B.V. Conger, \$93.50. Details state-of-the-art techniques for tissue culture cloning. Information on media, light, temperature, callus induction, and establishment of regenerated plantlets.

Cannabinoids as Therapeutic Agents, edited by Raphael Mechoulam, \$86. History and use of marijuana for virtually all symptoms such as glaucoma, neurological disorders, vomiting, hypertension, asthma. Research of synthetics. Descriptions of new class of potent cannabinoid analgesics. Appendices, bibliographies, and reviews of articles.

● I welcome comments, tips and questions regarding marijuana and marijuana cultivation. Send all letters to Ask Ed, HIGH TIMES, 211 E. 43rd St., New York, NY 10017. Also send entries for the Bud, Plant and Garden of the Month Contests. All correspondents whose letters or photos are used will receive a free copy of my book, **Marijuana Growers Handbook, Indoor/Greenhouse Edition**.

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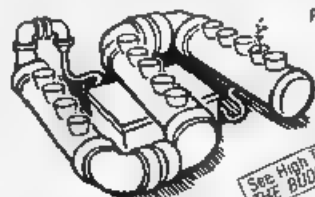
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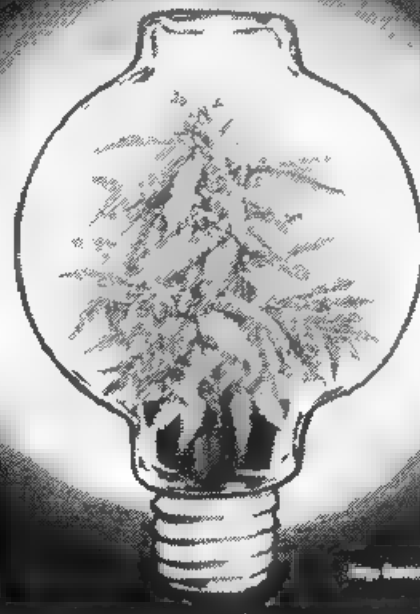
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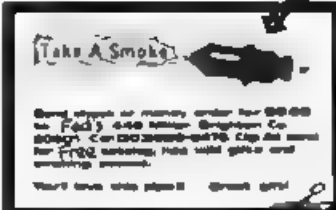
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CASE IN POINT

WHAT SHOULD I EXPECT AT THE GRAND JURY?

Adapted from an article by The National Lawyers Guild
(Part 2)

● What should I expect at the Grand Jury?

No one can tell you exactly what to expect at your date with the Grand Jury. However, your lawyer can tell you what the basic procedure will be.

Adequate preparation consists of learning what to expect procedurally, developing an understanding of the larger political context of the event, and enabling you to feel, to the maximum extent possible, the presence and support of counsel and friends despite physical isolation in the grand jury room.

You should anticipate harassing and intimidating tactics on the part of the U.S. Attorney. Sometimes witnesses who seem calm and confident before the appearance become totally flustered when they are subjected to such harassment. At other times witnesses become so intimidated that they leave the grand jury room in tears. Prepare yourself emotionally for this ordeal.

If your attorney has not offered you information, ask for it!!! Your attorney may not have some information that other witnesses may have. For example: How many people will be in the room? Do you can you write down questions? Do you can you read from a card? Where is the bathroom?

● What will I be asked?

You will be asked your name, your address, and any questions the U.S. Attorney may deem relevant to the nature of the investigation in issue. However, the U.S. Attorney can ask *anything* at all. THIS DOES NOT MEAN YOU ARE REQUIRED TO ANSWER THOSE OR ANY QUESTIONS PUT TO YOU!

● It is critical that you ask your at-

torney questions and keep asking those questions until you get a response that you are comfortable with and understand.

Do not misunderstand the message here. Your lawyer cannot tell you what to answer or how to answer a question. The lawyer can only advise you of the possible legal ramifications of an answer and what, if any, rights are affected. You must decide whether to assert or to waive those rights. Remember, your constitutional rights are only effective if you assert them. In other words, you can be deemed to waive them if you don't assert them. You have the right to leave the room and consult with your attorney as each and every question is posed to you.

● **Example:** John Smith arrives at the courthouse at the time and place scheduled on his subpoena. He is called into the grand jury room, sworn in, and is asked:

U.S. Attorney: "What is your name?"

John Smith: "John Smith"

U.S. Attorney: "What do you do for a living?"

John Smith: "Excuse me, I wish to consult with my attorney."

John Smith can then get up and walk out of the grand jury room (at times even over the objections of the U.S. Attorney and the Grand Jury) and recite *exactly* what the question was to his attorney. His attorney can then legally advise him of

A. Legal ramifications of the question and the answer John Smith anticipates giving.

B. Constitutional rights John Smith can assert—for example, the Fifth Amendment.

C. Testimonial privileges which may be in issue (spousal privileges, attorney/client privileges, doctor/patient privileges).

There are many, many issues which may and must be examined here, and those issues certainly are not limited to the above. You must ask your attorney what your rights are, how to assert them (if that is your decision), and what are the consequences of asserting them.

● "Although courts do not permit the attorney to go into the grand jury room with the witness, it is the practice of experienced lawyers to wait outside the grand jury room (usually in the anteroom or witness-room) and to have their client come out to consult with them after each question. This is probably the most valuable function the attorney can perform during the proceedings. The attorney should do this at every stage in the proceedings when questioned (before immunity, after immunity, after the contempt hearing).

"The consultation is necessary for the attorney and you to prepare a statement of appropriate grounds for refusing to testify, or to prepare responses if he/she is testifying. It has been a repeated and unfortunate experience that when witnesses do not consult with their attorney they become flustered and browbeaten by the prosecutor's questioning. Often they end up volunteering information which was not requested, misunderstanding questions, and giving mistaken or otherwise inappropriate responses, or waiving rights and privileges."

● Can I take notes?

Generally, yes. Ask your lawyer.

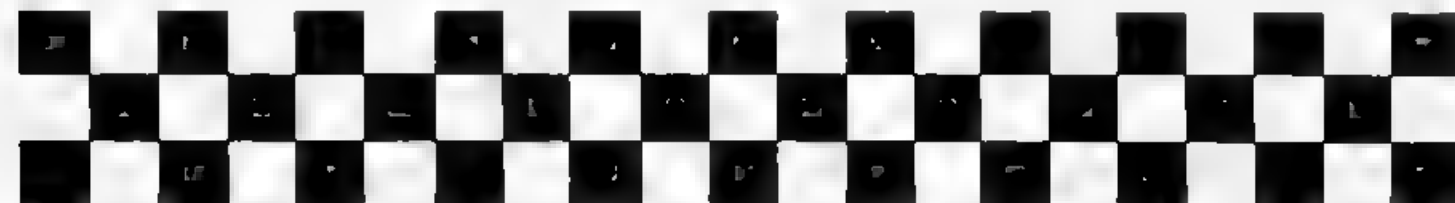
To summarize, and as a basic survival list, be aware of the following:

1. Know your lawyer, ask questions, and keep asking until you understand. Don't feel stupid, intimidated, or afraid. The only stupid question is the one not asked.

2. Educate yourself (with the help of your lawyer) as to your Fifth Amendment rights, testimonial privileges, and formal procedures for asserting your rights and privileges.

3. Tell the truth! Do not ever, under any circumstances, lie to the Grand Jury. Do not make things up, speculate, guess, or presume. If circumstances call for you to

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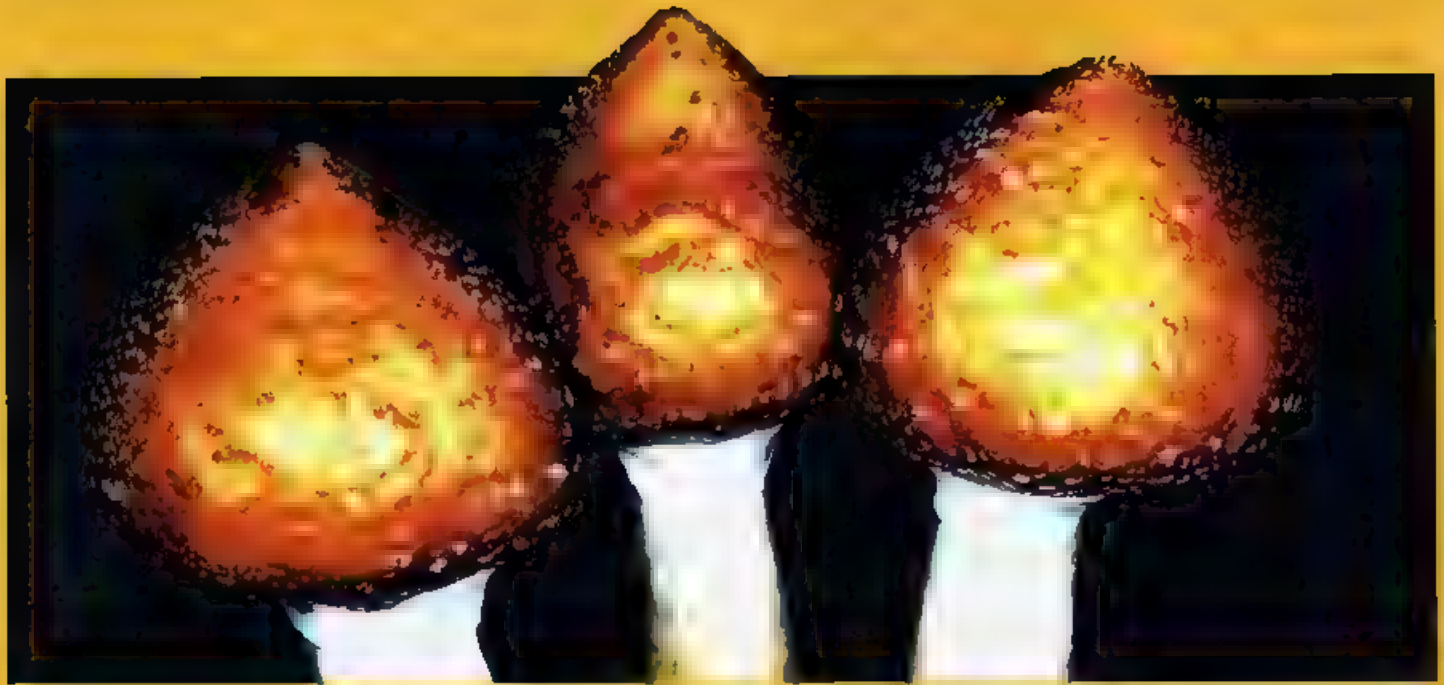


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SMUGGLER'S JOURNAL

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a broomstick to reach the switches and controls normally reserved for the copilot, and had pissed on the cockpit floor. I felt mighty glad to see Ozzie. After shaking my hand, he handed me a McDonald's hamburger and a cold beer. He gave the Colombians an extremely wide wad of money and the loading of the 5,000 pounds began.

Unfortunately, this was not going to be a leisurely flight home. I was the missing copilot and had to go to work. I made a rapid mental adjustment back to the 20th century and began supervising the refueling, cargo tiedown, and preflight inspection. This "3" looked like it had been through the three latest wars and numerous hail storms. Its skin was dented and bulging in many places. Numerous oil and hydraulic fluid leaks were evident and the tires were worn. The left engine cowl was secured with a piece of coat hanger. Normally I would not fly in this mess, but I had to get home. The vacation was over.

"Somber" is the word to describe the return flight. The seas were tranquil, but the airplane was heavy and difficult to handle. The engines were running rough and Ozzie and I discussed emergency procedures and cargo jettison probability. The approaching darkness caused the engines to sound worse. At least in the dark I couldn't see the leaking oil. We droned on and on in the blackness, until the coast of Haiti appeared.

Four hours later we were flying low over the coast of Florida. We landed on the tomato field. After another Herculean effort to unload the marijuana into the waiting trucks, I went home.

I received \$3,000 for my trouble. ●

PSYCHOTRONIC

If you rent videotapes, here are some recent Psychotronic releases (in chronological order) to check out.

INTERNATIONAL NOBIE ('33) A bunch of people go to a hotel in China for a demonstration of a giant screen television. One of the best out-of-control comedies ever, with W. C. Fields in search of more booze; George Burns trying to talk to Gracie Allen; Bela Lugosi; Cab Calloway singing "Reefer Man"; and preproduction code, nearly nude dancing girls.

STRANGER ON THE THIRD FLOOR ('40) Considered the first true film noir, this thriller features New York cabbie Elisha Cook, Jr., convicted of a murder actually committed by creepy Peter Lorre. The hero has a great nightmare about an electric chair.

EARTH VS. THE FLYING SAUCERS ('56) Flying saucers attack Washington, D.C., destroying the Lincoln Memorial, the Capitol, and other landmarks before earthlings develop an effective antisaucer weapon. Ray Harryhausen animated the screen's best alien spaceships ever.

CURSE OF THE WEREWOLF ('61) One of the best Hammer studio horror movies. Oliver Reed is the snarling, 18th-century Spanish werewolf, imprisoned in a monastery.

THE ROAD TO SALLINA ('71) An obscure French/Italian production starring Mimmi Farrow, who had already been in *Hot Rods To Hell*, *Devil's Angels*, *Riot On Sunset Strip*, *The Wild Racers*, and *More*. Here, the young, blonde, drive-in star is the daughter of Rita Hayworth and gets to seduce Robert Walker, Jr. after convincing him that he's her lost brother. A very strange movie that adds color, sex, and drugs to a film noir plot.

INFRAMAN ('75) Kind of like an incredibly imaginative version of the "Ultra-Man" tv show on speed. Dragon Man, wearing horns and a skull belt, sends hordes of hyperactive creatures from the inner earth to defeat Hong Kong's greatest kung fu superhero. You will not believe it.

GOD TOLD ME TO ('78) New York cop Tony LoBianco (*The Moneyzoom Killers*) investigates a series of senseless murders committed by people who tell him the title of this movie. God turns out to be a bisexual, long-haired, glowing alien. See how aliens mate with earth women.

CRIZELAVE ('85) Imagine a live-action '30s cartoon crossed with the Three Stooges and a murder mystery, with a *Road Warrior*-quality chase scene made by the people who gave us *Blood Simple*, in collaboration with the guys who made *Eril Dear*. You can't quite imagine it, right? Just watch in disbelief like I did.

—MICHAEL J. WELDON, author of *THE PSYCHOTRONIC ENCYCLOPEDIA OF FILM (OUTLINE)*.

RISER

by Jim Poling

THE WORLD OF ACID

(VCR Video)

Sounds like a Nova special, but this 1967 documentary is a must for psychedelia lovers who can't get enough chanting, sitar playing, or body paint at home. It's hilariously documented by stoned narrators who have big trouble making sense of their commentary. Divided into segments (i.e., "Love-ins," "Drugs," "Life in a Commune"), this tape is being sold as "another REEFER MADNESS," but its messages are far less reactionary or silly.

SALVADOR

(Vestron)

Seedy photographer James Woods crashes the border with buddy Jim Belushi for some cheap Salvadorian sex and becomes entangled in the dangerous furor of that political disgrace. A non-hit in theaters, it deserves a successful video release and may get it due to the director's (Oliver Stone) current hit, **PLATOON**. Stone also wrote the underrated **8 MILLION WAYS TO DIE** (CBS/Fox).

THE ULTIMATE

(CBS/Fox)

A scientist may have altered the shape of the universe by eliminating all of mankind, except, that is, for the last two stereotypes on Earth: a black militant and a feminist. Before the plot and two of the three characters turn to dust there are the requisite bickerings that usually pad these last-man-on-earth melodramas, but stick with it: you'll be rewarded with a clever and bitter irony in the movie's ethereal fade out.



BONNIE AND CLYDE: MYTH OR MADNESS

(United Home Video)

The Success of Arthur Penn's phenomenal **BONNIE AND CLYDE** (1967) was often misinterpreted as sick and obsessive—two thrill killers unworthy of such a romantic eulogy. In a crime spree that lasted almost four years, twelve murders were credited to them, nine victims of which were law enforcement officers. Murder seemed as natural a way to them to express their hatred for their impoverished conditions as it was a surefire way to gain notoriety. The cult for these dust-bowl delinquents didn't start with Arthur Penn—it was going strong as early as 1930 when the diminutive (4'11") Bonnie, then only 18 years old, freed Clyde from a county jail with an automatic. Who could resist the bravado of such romantic criminal notions? For four years civilians followed their exploits with a grisly enthusiasm that didn't stop with their deaths. Not short on pride, Bonnie and Clyde refused to be taken alive and when they were finally ambushed (167 bullet holes between them), souvenir hunters rallied around the death car with scissors eager for a piece of Clyde's ear. Had Arthur Penn stuck to

the truth his whole point would have been negated. He drew from a whole generation's fascination with counter-culture myths. The authentic Bonnie and Clyde seem as far removed from real life as the movie couple. **BONNIE AND CLYDE: MYTH OR MADNESS** is an attempt to give us the facts, although director Larry Buchanan's primary objective was to make a few fast bucks. (The movie was originally released as **THE OTHER SIDE OF BONNIE AND CLYDE** in 1968.) Their dogged rebellion deserves a better report despite Buchanan's gathering of potentially great witnesses: the son and widow of Frank Hamer (the man responsible for their capture), gang member Floyd Hamilton, who takes an on-camera lie detector test (not surprisingly, the results are inconclusive), and a kidnap victim. Most of them come across as bored and disinterested, as though they've been through this ad nauseum with their grandchildren (although the kidnap is almost giddy as she relates a wild night she spent in the Barrows' backseat). There are cheesy reenactments of their crimes by Dallas yokels, but crime aficionados will get their money's worth with the creepy newsreel footage following their ambush and some great snapshots taken by Bonnie and Clyde (they were terrific self-publicists). Recommended, but put a little romance into the beauty of chaos—see it with one of the countless movies inspired by their rampage: **BONNIE AND CLYDE** (Warner Home Video), **YOU ONLY LIVE ONCE** (Monterey Video), **THEY LIVE BY NIGHT** (Hollywood Home Theater).

TOUCH OF EVIL

(MCA)

This season's most noteworthy release and deserving of anyone's attention for many reasons. Orson Welles' mangy masterpiece hasn't lost any of its nastiness in almost 30 years. It's set in a shabby Mexican border town (actually Venice Beach, California) with Welles as a grossly corrupt police chief who gums soggy cigars and traffics in illegal drugs. The odd-ball cast includes Zsa Zsa Gabor, Mariene Dietrich as a wasted gypsy, Mercedes McCambridge as a leather-clad lesbian who does naughty things to Janet Leigh off-screen, and the late Playboy Playmate Joi Lansing, who gets one immortal line—"Hey, I hear a ticking"—before being blown up in her Cadillac convertible. Henry Mancini's great, trashy honky-tonk score was later used in Ann-Margret's **KITTEN WITH A WHIP** and the Ronald Reagan re-

C A M P - O U T

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from the attentions of over-zealous hunters. I did, however, find the headwaters of the stream that my creek flowed into. Directly east and just a little downhill from the top of the mountain were two clear fresh-water springs. The spot was far too exposed and rugged to have been a campsite. Hundreds of spent shotgun and assorted other shell casings scattered on the ground, proving this was not the place to find solitude. I found myself feeling sorry for the quail that had once lived here.

The rest of the day passed quietly, as I watered the garden and the sagebrush on the wickiup and swam in the pond. That night, after smoking some hash I'd brought along, I fell into a heavy sleep, lulled by the cicadas and the local owl.

The next morning was bright and clear as I shared my breakfast once again with the quail and the young deer. It seemed the quail had told some of their friends and neighbors about my generosity since so many showed up. I was literally up to my knees in the fat little birds! I laughed as I lit a roach and gently pushed the quail out of the way. The young deer was much more relaxed today. I remained on my sitting rock, watching and listening. I made up my mind to bring a salt lick for the deer on my next trip, even though it would be hard to carry due to its weight and would occupy much of my pack space. I would also bring some wild bird seed. With luck, maybe I would be able to get some of it to grow along the creek.

I spent the morning swimming and sun bathing. After lunch, I was surprised by a couple of visitors! I was lying on my sleeping bag, sun bathing, when I heard human voices coming up the draw. I got up quietly, put on my cut-offs, and made sure my pistol was cocked. Soon, I realized the voices belonged to two young women who were obviously only peaceful day hikers. I put aside my weapon and sat down to see if

they would notice my campsite.

Both were pretty, well-tanned blonds, wearing shorts, halter tops, and tennis shoes. When they came across my little pond, they decided it would be a perfect place to skinny dip. The girls carefully examined the surrounding area to ensure their privacy and, not realizing I was there, removed their clothes. After 30 minutes of splashing around in the water, they began to tire, and lay down on a large flat rock to sunbathe. The rock I was sitting on was only 15 feet away from where they were lying, looking so soft and beautiful.

Frankly, it was driving me a bit crazy! I knew I would not be welcome if I made my presence known abruptly, no matter how much I wanted to join in. It would have frightened them if I had simply stood up and cleared my throat. I was a bit surprised they didn't hear the click of my Zippo as I lit a large pipe bowl of Vietnamese weed with some blond Lebanese hash in it. They did, however, smell the smoke. After they'd started to look around for the source, I decided to be mysterious and let them find me, sitting Indian style, like El Mescalito—which they eventually did.

After sharing the rest of that bowl and a couple of others during introductions, I shed my shorts and joined the girls in another round of bathing. Once I'd administered one of my famous sensual massages to each of them, one thing led to another and the ladies stayed the night in my camp.

The next day, I escorted the young ladies back down the mountain and returned to civilization myself.

I spent a lot of time in that campsite in the next year and a half, sharing it on occasion with the two blonds or with some other female companion. Looking back on it now, I cherish the memory and often wonder how all those plants are doing. They looked like small elm trees the last time I was there. Maybe some day I'll go back and find out. ●

C A - S E

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testify (for example, you've been given immunity and/or discussed an answer completely with your lawyer), then tell the truth. But remember, the truth is only what you have an independent, specific recollection of, not a presumption or guess. Ask your lawyer to advise you.

4. If you've been offered immunity to testify, demand to see it in writing. Find out if it's transactional or use immunity (ask your lawyer to explain the differences in detail).

5. Remember that even if you've been granted immunity, never lie, speculate, guess, or presume. Even under a grant of immunity a witness is subject to the charge of perjury.

6. You have constitutional, statutory, and common law rights in play from the moment you are considered a potential witness. Even if granted immunity some highly technical legal rights must be considered. For example:

- Prohibition against use or disclosure of information obtained from illegal electronic surveillance

- Violation of First Amendment freedoms.

- Marital privilege and other privileges (for example, doctor/patient).

- Questions calling for an opinion.

- Complex or "double" questions.

- Prejudicial questions

- Attorney/client privilege.

7. Know your rights!

"Lawyers as well as clients need to remember that investigators obtain most of their information from people who are ignorant of their rights. Some of the most infamous abuses of the grand jury process have occurred after a well-meaning citizen cooperates to the point of feeling harassed by investigators. By the time the witness decides to assert his or her rights, most of the damage has been done—and investigators have learned a great deal about the witness, his or her psychological make-up, and vulnerabilities."

● **Can I talk about what happened and what was asked?**

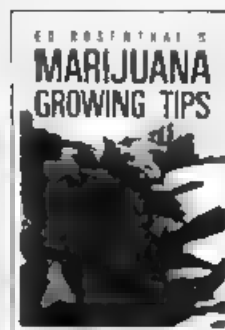
Yes! The rules regarding secrecy only apply to the Grand Jury itself and not to the witness. If it is your choice to freely and voluntarily discuss your appearance with anyone, that is your right.

The rule on Grand Jury Secrecy was codified by the Federal Rules of Criminal Procedure.

"A grand juror, an interpreter, a stenographer, an operator of a recording device, a typist who transcribes recorded testimony, an attorney for the government, or any person to whom disclosure is made under paragraph (3)(A)(ii) of this subdivision shall not

continued on page 69

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252 pages, 5 1/2 x 8 1/2. Photographs, illustrations, index, catalog, bibliography, scientific appendix.

It includes the latest, most detailed research done on this subject to the date. Chapters on growing methods, planting mixes, hydroponics, watering, manicuring, sexing, lights, CO₂, nutrients, pests, genetics, cloning, pruning, and much more. Two new chapters are included in the revised edition—Growing in the Ground, and Advanced Flowering. The Advanced Flowering chapter includes a scientific summary of the flowering characteristics of virtually all varieties of cannabis, as well as providing information on the means to manipulate the flowering cycles. Reference maps, lighting charts, photoperiod graphs and seed characteristic tables are included here that have never before been seen anywhere in the literature. The information in this book is absolutely revolutionary!

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Marijuana Grower's Guide is the most comprehensive guide to growing ever published. Sections on indoor cultivation, breeding, grafting, sinsemilla, drying, curing, cannabis botany and chemistry tell you everything you need to know to grow primo plants indoors and out. Detailed instructions for supplying and curing a constant flow of superior quality product. If you grow, you need this book. A dramatic 16-page color section, and over 150 black and white photos are included.

Marijuana Botany by Robert Connell Clark

And/Or Press
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Marijuana Botany contains data on all phases of cannabis cultivation, structure and characteristics of the plant, how quality is affected by climate and environment, plant propagation, identification and desirability of male plants, harvesting, THC production and peak potency, using seeds of unknown strain, developing your own strains.

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The Cultivator's Handbook of Marijuana

by Bill Drake
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CASE

continued from page 87

disclose matters occurring before the grand jury, except as otherwise provided for in this rule. No obligation of secrecy may be imposed on any person except in accordance with this rule. A knowing violation of Rule 6 may be punished as a contempt of court."

This obligation of secrecy DOES NOT APPLY TO THE WITNESS!!! Many U.S. courts, including the U.S. Supreme Court, have specifically addressed this issue and have consistently maintained that an imposition of secrecy on a grand jury witness is improper conduct by the U.S. Attorney's Office [See *United States v. Sells Engineering*, 463 U.S. 418 (1983); *In re Investigation Before April 1975 Grand Jury*, 531 F.2d 600, 606-07 n.11 (D.C. Cir. 1976); *In re Grand Jury Subpoena Duces Tecum*, 574 F. Supp. 85 (S.D.N.Y. 1983); *In re John Doe Grand Jury Proceedings*, 537 F. Supp. 1038 (D.R.I. 1982); *Matter of Ferris*, 512 F. Supp. 91 (D. Nev. 1981); *In re Russo*, 53 F.R.D. 564, 571 (C.D. Cal. 1971).]

If you've appeared before the Grand Jury, and the U.S. Attorney or any person associated with the U.S. Attorney's Office has threatened you, required you, or otherwise informed you that you must keep the testimony secret, it is a clear violation of FRCP Rule 6(e)(2) and improper conduct by the government's attorney. TELL YOUR ATTORNEY AND PURSUE A CONTEMPT VIOLATION AGAINST THE PARTY WHO VIOLATED THE RULE.

The defense group must decide the extent to which, and when, the questions posed and answers given in the grand jury room should be revealed to other persons or to the press. Where other people are the subjects of the grand jury's questions, the group will have to decide how to inform them that their names have been mentioned. This should be handled by the attorneys or other people under their direction, in an attempt to bring such communications within the attorney/client privilege. Prosecutors have been known to warn witnesses not to reveal such information.

Finally, television tactics (i.e., Detective Kojack, et al.) are really used! Remember, investigators do attempt to intimidate and manipulate witnesses. If they are allowed to, they will harass family, friends, business associates, and neighbors.

"Lay people may need to be reminded that FBI agents are trained investigators. Many are lawyers versed in cross-examination. Their job is to obtain information, evidence, and leads. They may be polite, persistent, rude, or charming. Often two (usually male) agents visit a single prospective

continued on page 90

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CASE

continued from previous page

witness, each playing a role that contrasts sharply to that of his companion. One agent is stern and menacing, the other friendly and reassuring. One agent may insinuate that "if you have nothing to hide, you'd talk to us," while the other feigns insult at not being invited in for a chat. One may threaten the witness with the grand jury, a subpoena, or jail, while the other promises that as long as the witness cooperates, no harm can come. They may ask only that the client look at pictures, and promise to leave the client alone if he or she just cooperates for a few minutes. They may threaten to talk to the client's work supervisor or parents, and to inform them of the client's noncooperation in what they will most certainly assert is a most serious investigation."

Stay calm and contact your attorney.

"If a witness has been frequently visited, followed, photographed, or questioned, the attorney should lodge a complaint, memorialized in writing, to the U.S. Attorney. The names of the investigators should be provided, if possible. The U.S. Attorney should be instructed to advise the investigators that they are not to contact the client other than through the attorney, and that violation of this practice may result in litigation against the agents and the U.S. Attorney."

Do not let intimidating and manipulating tactics by the investigators and/or the U.S. Attorney drive a wedge between and raise suspicion among you and the others in your life. Know your rights and be informed.

Only an experienced Grand Jury attorney can adequately inform you of the consequences of the above.

● I've been "given" immunity what happens now?

A person subpoenaed to appear and testify before the Grand Jury has an absolute right to refuse to answer any question which may tend to incriminate him or her. Courts have consistently ruled in favor of the witness's absolute right to utilize the Fifth Amendment privilege. When the witness then asserts the Fifth Amendment, any additional testimony or proceedings are terminated.

The government can then apply for immunity (waiver of your right) for the witness, and thus compel the witness to testify.

It is misleading to call this a "grant" of immunity because a "grant" sounds like something the witness can elect to take or decline. It sounds like the government is giving you something. They are not. It is, in fact, a compulsory requirement so that the witness can no longer assert his

continued on page 93

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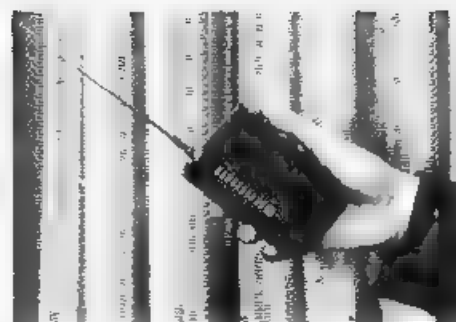
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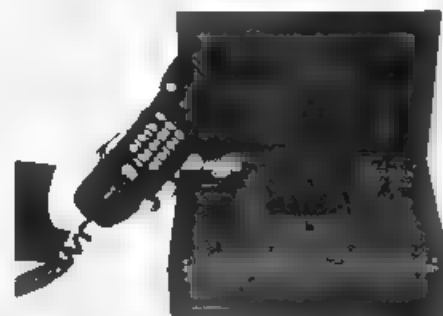
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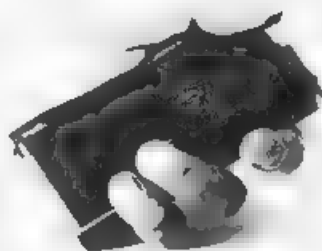
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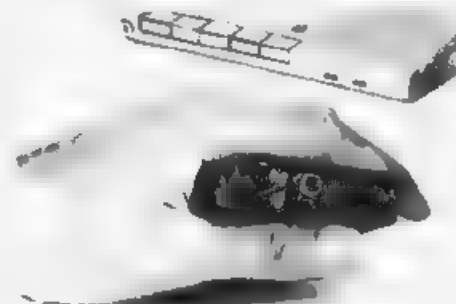
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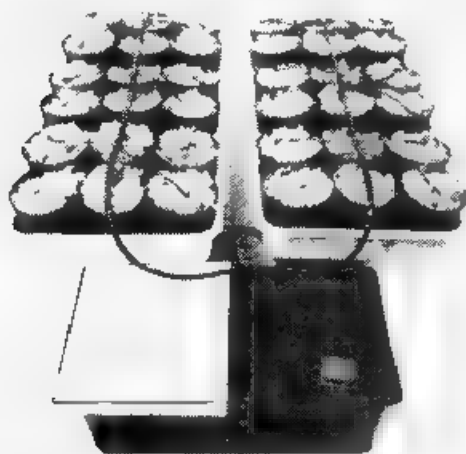
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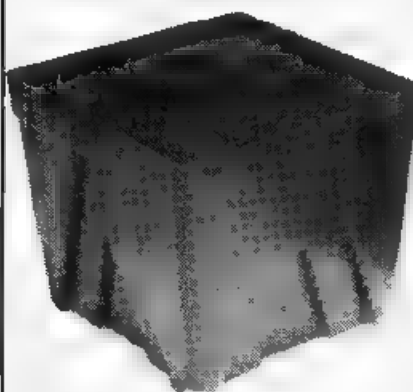
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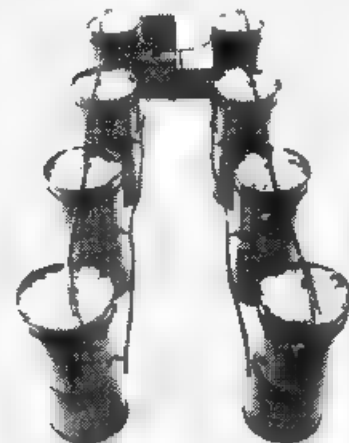
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VISA MC AMEX or will COD with prepaid freight

IT'S BACK! THE HIGH TIMES

TOP 40

LAST MONTH

1. LOTS OF ICE COLD, COLOMBIAN (9)	11. THE GOON (16)	21. Shrooms (17)	31. TICKLING (10) HO HO! HA HA HA! HEE HEE!
2. SEX (4) (CORAL, ANAL, ANY!)	12. THE GOON	22. RAD Harley Davidsons (3)	32. TAHITI
3. LED ZEPPELIN (8)	13. bob dylan	23. drugs	33. LOVE (10) ♥ (AIN'T IT GRAND?) ♥
4. GRATEFUL DEAD (5)	14. NEGRIL, JAMAICA	24. DANGER MOUSE (10)	34. A FULL MOON ON THE BEACH ON LSD
5. DUMP REAGAN (14) (NEUTRALIZE HIM!)	15. PIZZA (15) WITH MUSHROOMS	25. JEFFERSON AIRPLANE (10) (STARSHIP JUST DOESN'T CUT IT)	35. CLEAN WATER (10)
6. THE CHICAGO BEARS (10) (MONSTERS OF THE MIDWAY)	16. FATTIES (10)	26. RUBBERS (10) (KEEPS YOU FROM GETTING AIDS)	36. HENDRIX (10)
7. N.D.S.U. (10) (BALLOT BOX STUFFER OF THE MONTH)	17. FRANK ZAPPA (18)	27. MICROWAVE POPCORN (10)	37. ANN (10) (THE ONE WHO TAUGHT ME THE MEANING OF LIFE)
8. ACID (13) (LSD + BLOTTER)	18. FRANK ZAPPA	28. WAKE + BAKE (10)	38. VIDEO GAMES (10) BANG! BOOM!
9. MUFF DIVIN'	19. HASH (10) (BLACK)	29. HOWARD STERN (46) (AND HIS SIDEKICK ROBIN)	39. GETTING BAILED OUT OF JAIL
10. BEER (10) (CURE FOR ALL COTTONMOUTH)	20. HOWARD STERN	30. RUN D.M.C.	

JOIN IN THE FUN! SEND IN YOUR BALLOT! (NO NEGATIVE VIBES, THOUGH, OKAY?)

#1

#2

#3

VOTE FOR WHATEVER YOU WANNA VOTE FOR! WHAT THE HECK!

MAIL THIS BALLOT, A REASONABLE FACSIMILE, A XEROX COPY, OR AN OLD RIPPED UP PIECE OF PAPER WITH YOUR CHOICES ON IT TO:
HIGH TIMES TOP 40
211 EAST 43RD ST.
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10017
VOTE AS OFTEN AS YOU LIKE, BUT REMEMBER-WE PICK THE MOST POPULAR, SINCERE, + WACKIEST STUFF!

HOLMSTROM 1987

BURRITO BROTHERS INDUSTRIAL SUPPLY

Presents
ELECTROTHERMAL
1A 8100 Digital, Melting Point Tester

Samples



Up to three samples may be observed in the heating block.

**Goes from
0-450° C**

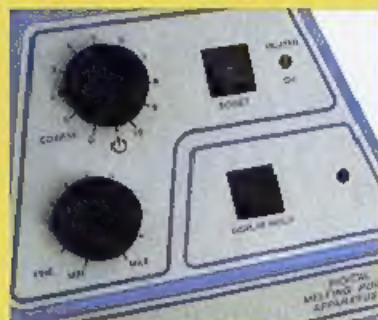
*Thousands of dollars
cheaper than competitive
units of this
quality*

Focusing



An adjustable magnifying lens enhances measuring accuracy by providing the user with the best possible view of the capillary tubes.

Accurate Controls



By using the course and fine heat controls an accurate setting of temperature and temperature rise is readily obtained.

Storage



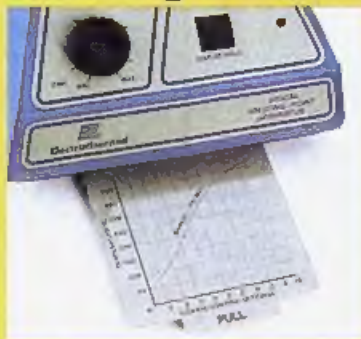
Two large capillary tube holders are fitted into the side of the equipment for the storage of new and used tubes.

Faster Warm-up



The advanced heating circuit enables the air bath to reach the desired temperature very quickly. A Boost Switch overrides the two heat controls to accelerate heating rate even further.

Heating Data



A pull out tray under the instrument provides a graph showing control settings for desired temperature.

Accurate Answers



By freezing the digital display with the hold button the user is able to achieve a precision measurement whilst viewing the sample.

Part # AT 4022 - 12 x 100 capillary tubes - \$105.00

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